HARDSCAPES & MASONRY

POLYCOR
NATURAL STONE

FIELD BINDER

Table of Contents

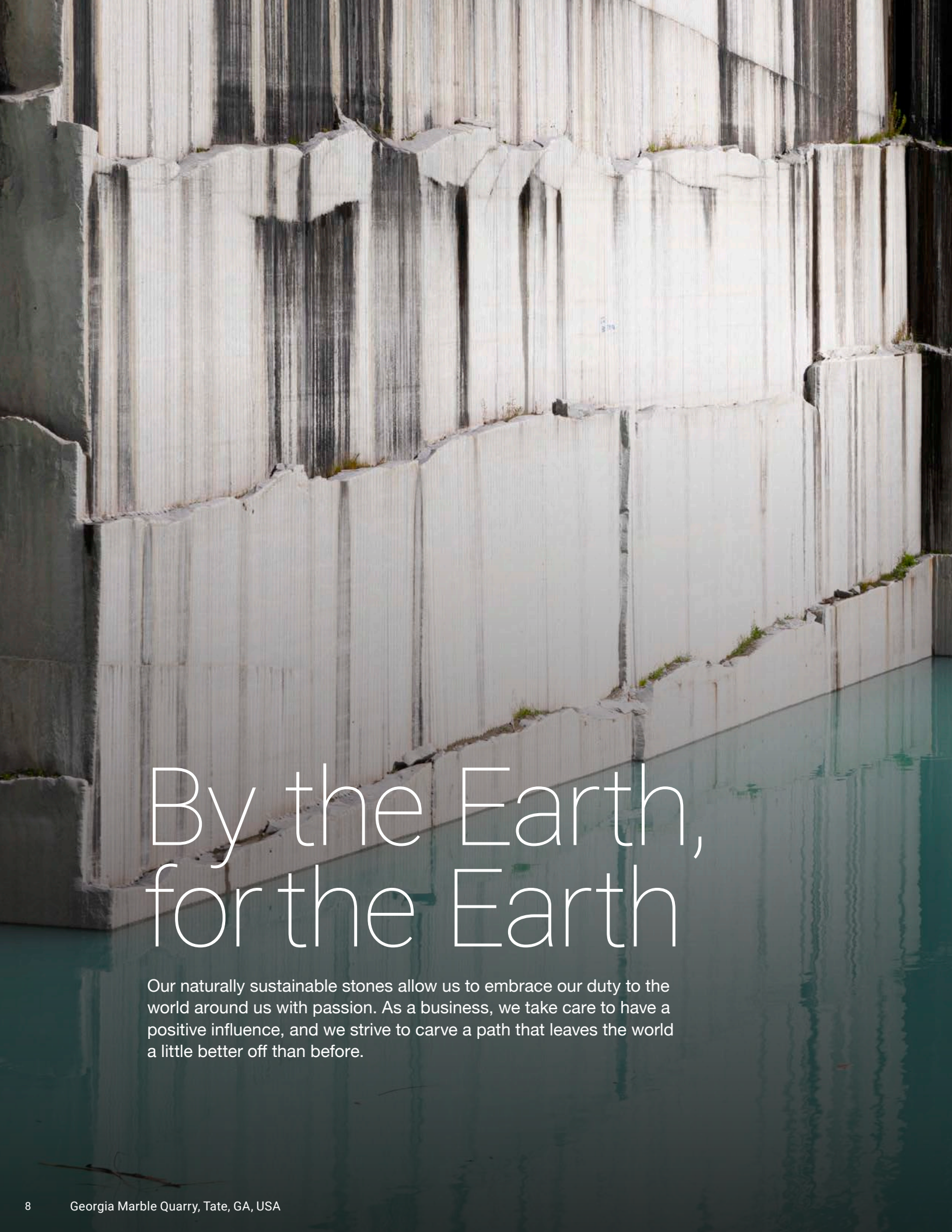
INDIANA LIMESTONE - FULL COLOR BLEND™
Berkshire® thin veneer


Outdoor Living
Spaces Made
by Nature

Indiana Limestone workers standing on a column, 1921.

Success is built on passion.

Polycor is a North American natural stone quarrier and fabricator. By joining forces with other industry pioneers, we provide our customers with centuries of stone expertise. Our vision is to establish new foundations of global leadership by setting the standard for excellence in sustainable natural stone. Our products are built to last so that future generations can continue to fall in love with natural stone.



By the Earth, for the Earth

Our naturally sustainable stones allow us to embrace our duty to the world around us with passion. As a business, we take care to have a positive influence, and we strive to carve a path that leaves the world a little better off than before.

Georgia Marble Quarry, Tate, GA, USA

Naturally Sustainable™

From our quarry workers to the members of our executive committees, environmentally-conscious practices are a foundational part of Polycor's operations and green industry business model.

Global With a Local Footprint


SAINT HENRY BLACK™ granite
CALEDONIA™ granite
EASTERN GRAY™ granite
BETHEL WHITE® granite
INDIANA LIMESTONE - FULL COLOR BLEND™
INDIANA LIMESTONE - FOSSIL BEIGE™
EASTERN GRAY™ granite
GEORGIA MARBLE™ - PEARL GREY

Quarried in North America

Locally sourced, quarried, transformed, and distributed

Quarry & Plant Owner

Greater Availability & Shorter Lead Time

Sustainable

Quality Control

Complete control of the process

Blends With Nature

Durable

Great value over time

Resists Freeze-Thaw Cycles

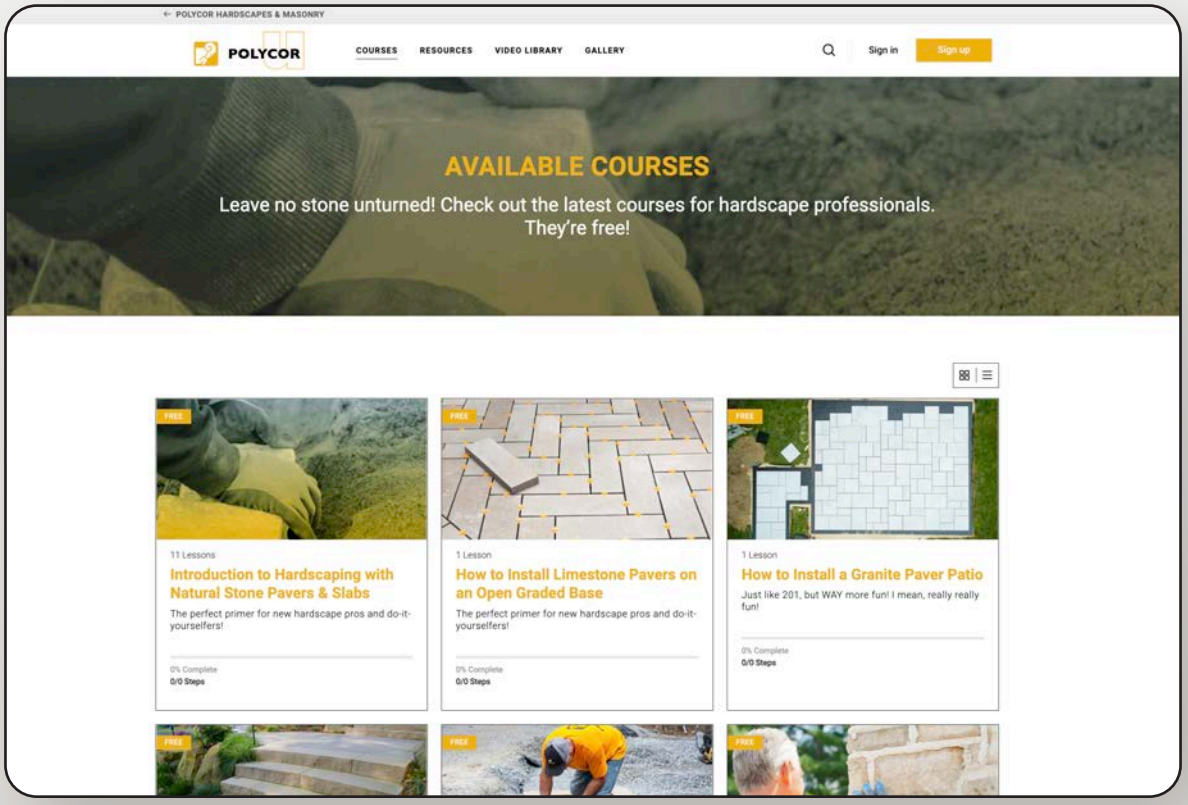
Virtually Maintenance Free

Design Flexibility

Balance Between Aesthetic & Performance

Adaptable to Any Project

Leave no stone unturned!
Check out our latest courses for hardscape professionals.
THEY'RE FREE!



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learn.polycor.com

NEW

3D

TOOLS

FOR ARCHITECTS
& DESIGNERS

80 textures

Ultra-calibrated colors
4 different natural stones
8K Ultra-High Definition

Free to download

1. Scan QR code or go to:
hardscapes.polycor.com/designtools

2. Download free 3D high-resolution textures

3. Create photorealistic renders!

360° Product Viewer

This innovative tool gives prospects the opportunity to examine our product in an interactive way.

POLYCOR
NATURAL STONE

AUTHORIZED CONTRACTOR PROGRAM

Few benefits to become an Authorized Contractor:

Lead referrals from our team and our dealers
Annual Polycor Master Craftsman Awards Program
On-site training and technical support
Credit on trade show materials
Quarry tour events and continuous training through education seminars

Scan this QR Code for quick access to our
Authorized Contractor Program.

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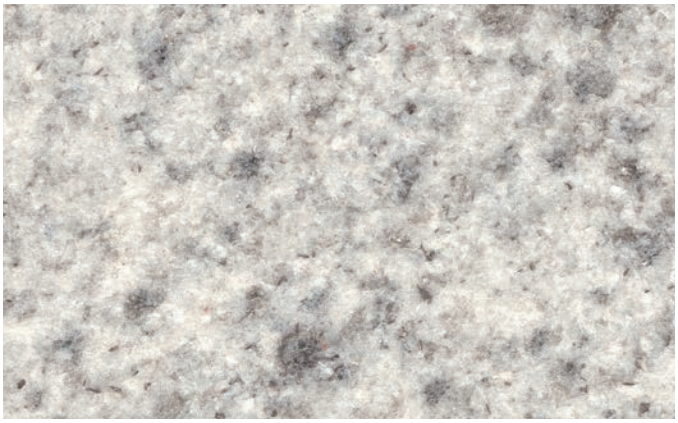
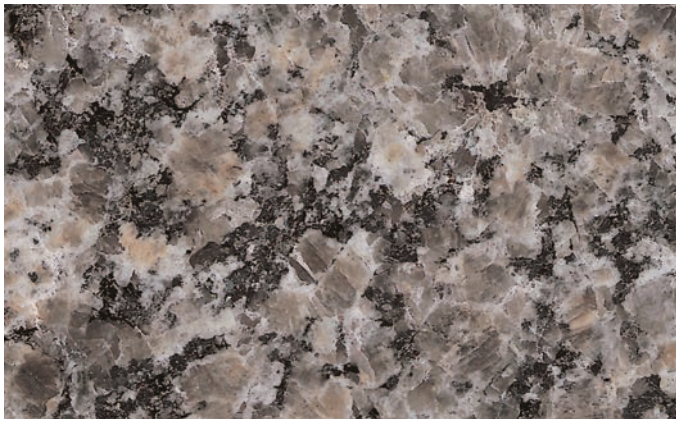
Our Stones

INDIANA LIMESTONE – FULL COLOR BLEND™
A natural, full range compilation of warm buff colors and medium gray tones are present within this historic limestone quarried in Bloomington, Indiana. Subtle veining meanders throughout the surface creating a unique movement in this medium grained, standard grade stone.

INDIANA LIMESTONE – FOSSIL BEIGE™
Quarried in Bloomington, Indiana, this limestone has finely blended ripples of beige and grey that provide a neutral backdrop to small shell inclusions and occasional russet-colored flakes. Its dense, compact grain structure gives it a marble-like quality, making it the perfect choice for outdoor living spaces.

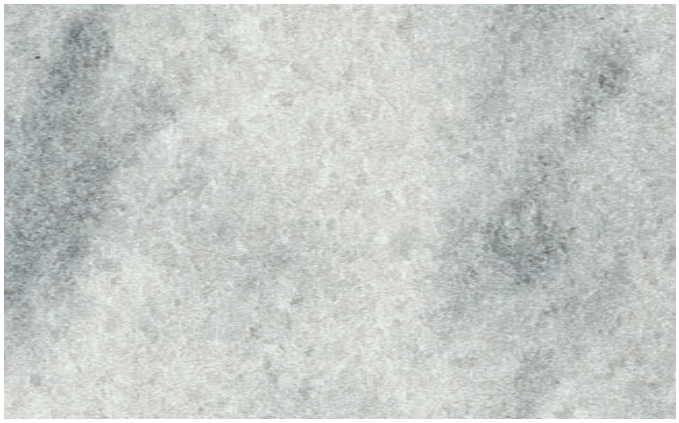


BETHEL WHITE® granite
This flawless white granite, quarried in Bethel, Vermont, is one of the most prized in the world. Its pure white base is sprinkled with tiny black flakes, giving it an effortlessly classic look that can easily be matched with various styles and colors.



CALEDONIA™ granite
Quarried in Rivière-à-Pierre, Québec, this granite is a true Canadian emblem. Its dark backdrop is mottled with flecks in various shades of taupe and gray. This granite is known for its color consistency, making it an ideal choice for projects to be completed in multiple phases.

EASTERN GRAY™ granite
Sourced from three different North American quarries, this granite is light to medium gray in color with a mid-size coarse grain. It is highly prised for its consistency in color.



GEORGIA MARBLE™ **– PEARL GREY**
The consistent grain structure of this North American marble from Tate, Georgia, contributes to its strength and resistance. The trilogy of white, gray, and black veins creates a dramatic statement that immediately draws the eye, making it the star attraction of any space.

SAINT HENRY BLACK™ granite
A masterpiece from Saint-Henri-de-Taillon, Québec, this granite is a patchwork of large, dark, metallic crystals that catch the eye, adding a subtle contemporary look and feel to this classic stone.

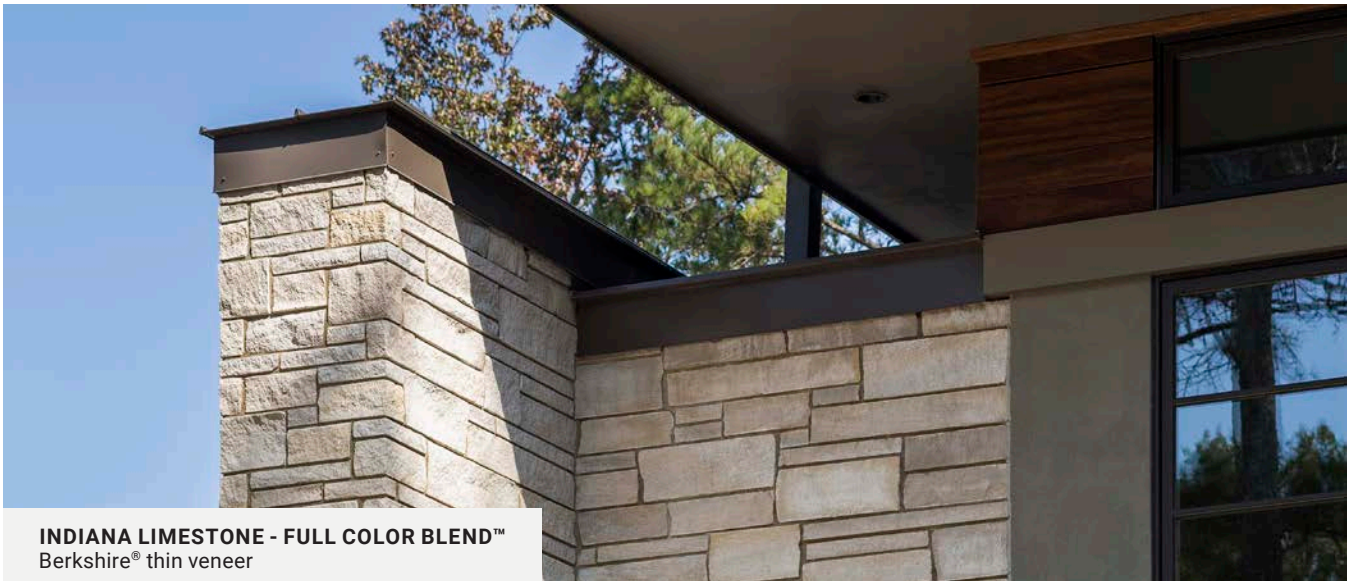
Estate Veneer Series

BEAUTY AND PERMANENCE COMBINED.

Embellish new builds with stately elegance or refresh an existing home by adding a classic touch. Polycor veneers are available in traditional full-bed veneer or thin veneer cladding. The Estate Veneer Series is available in a variety of stones, shapes, and sizes.

BERKSHIRE®
PRODUCT DATA SHEET

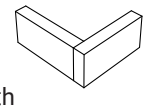
Scan me for more info.



INDIANA LIMESTONE - FULL COLOR BLEND™
Berkshire® thin veneer

Berkshire® is a solid, split-face veneer. Variations in height create a classic, pleasant, and seemingly random definition for commercial and fine residential structures. Available in thin and full-bed veneer.

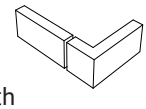
THIN VENEER



Height	Depth	Length
2 ¼"	¾" - 1 ¼"	8" - 22"
5"	¾" - 1 ¼"	8" - 22"
7 ¾"	¾" - 1 ¼"	8" - 22"
10 ½"*	¾" - 1 ¼"	8" - 22"

Pallet of mixed sizes available
Mix of 4 different sizes (10% - 2 ¼", 35% - 5", 40% - 7 ¾", 15% - 10 ½")
Mix of 3 different sizes (15% - 2 ¼", 40% - 5", 45% - 7 ¾")
*10 ½" size is not available in **GEORGIA MARBLE™ - PEARL GREY**

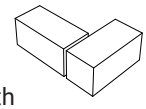
THIN VENEER CORNERS



Height	Depth	Length
2 ¼"	3" - 4"	6" - 12"
5"	3" - 4"	6" - 12"
7 ¾"	3" - 4"	6" - 12"
10 ½"*	3" - 4"	6" - 12"

Pallet of mixed sizes available
Mix of 4 different sizes (10% - 2 ¼", 35% - 5", 40% - 7 ¾", 15% - 10 ½")
Mix of 3 different sizes (15% - 2 ¼", 40% - 5", 45% - 7 ¾")
*10 ½" size is not available in **GEORGIA MARBLE™ - PEARL GREY**

FULL-BED VENEER



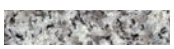
Height	Depth	Length
2 ¼"	3" - 4"	Variable
5"	3" - 4"	Variable
7 ¾"	3" - 4"	Variable
10 ½"**	3" - 4"	Variable

10 ½" size is not available in **GEORGIA MARBLE™ - PEARL GREY**

STONES

INDIANA LIMESTONE - FULL COLOR BLEND™
Split-face

INDIANA LIMESTONE - FOSSIL BEIGE™
Split-face (not available in full-bed veneer)



EASTERN GRAY™ granite
Split-face

GEORGIA MARBLE™ - PEARL GREY
Split-face

BERKSHIRE®
PACKAGING INFORMATION

THIN VENEER

Products	Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
Pre-packaged 3-height	**15%** 2 1/4" X 8"-22" **40%** 5" X 8"-22" **45%** 7 3/4" X 8"-22"	3/4" - 1 1/4"	Small crate 25 sq.ft	Varied	325	359	372
			Large crate 150 sq.ft	Varied	1,950	2,178	2,266
Pre-packaged 4-height	**10%** 2 1/4" X 8"-22" **35%** 5" X 8"-22" **40%** 7 3/4" X 8"-22" **15%** 10 1/2" X 8"-22"	3/4" - 1 1/4"	Small crate 25 sq.ft	Varied	325	359	N/A
			Large crate 150 sq.ft	Varied	1,950	2,178	N/A
2 1/4" height veneer	2 1/4" X 8"-22"	3/4" - 1 1/4"	Small crate 25 sq.ft	Varied	325	359	372
			Large crate 150 sq.ft	Varied	1,950	2,178	2,266
5" height veneer	5" X 8"-22"	3/4" - 1 1/4"	Small crate 25 sq.ft	Varied	325	359	372
			Large crate 150 sq.ft	Varied	1,950	2,178	2,266
7 3/4" height veneer	7 3/4" X 8"-22"	3/4" - 1 1/4"	Small crate 25 sq.ft	Varied	325	359	372
			Large crate 150 sq.ft	Varied	1,950	2,178	2,266
10 1/2" height veneer	10 1/2" X 8"-22"	3/4" - 1 1/4"	Small crate 25 sq.ft	Varied	325	359	N/A
			Large crate 150 sq.ft	Varied	1,950	2,178	N/A
CORNERS							
Pre-packaged 3-height	**15%** 2 1/4" X 6"-12" **40%** 5" X 6"-12" **45%** 7 3/4" X 6"-12"	3" - 4"	Small crate 25 ln.ft	Varied	325	359	372
			Large crate 150 ln.ft	Varied	1,950	2,178	2,266
Pre-packaged 4-height	**10%** 2 1/4" X 6"-12" **35%** 5" X 6"-12" **40%** 7 3/4" X 6"-12" **15%** 10 1/2" X 6"-12"	3" - 4"	Small crate 25 ln.ft	Varied	325	359	N/A
			Large crate 150 ln.ft	Varied	1,950	2,178	N/A
2 1/4" height veneer	2 1/4" X 6"-12"	3" - 4"	Small crate 25 ln.ft	Varied	325	359	372
			Large crate 150 ln.ft	Varied	1,950	2,178	2,266
5" height veneer	5" X 6"-12"	3" - 4"	Small crate 25 ln.ft	Varied	325	359	372
			Large crate 150 ln.ft	Varied	1,950	2,178	2,266
7 3/4" height veneer	7 3/4" X 6"-12"	3" - 4"	Small crate 25 ln.ft	Varied	325	359	372
			Large crate 150 ln.ft	Varied	1,950	2,178	2,266
10 1/2" height veneer	10 1/2" X 6"-12"	3" - 4"	Small crate 25 ln.ft	Varied	325	359	N/A
			Large crate 150 ln.ft	Varied	1,950	2,178	N/A

FULL-BED VENEERS

Products	Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
2 1/4" height veneer	2 1/4" X 24"-60"	3" - 4"	80 sq.ft	Varied	4,000	4,482	4,670
5" height veneer	5" X 24"-60"	3" - 4"	80 sq.ft	Varied	4,000	4,482	4,670
7 3/4" height veneer	7 3/4" X 24"-60"	3" - 4"	81 sq.ft	Varied	4,000	4,482	4,670
10 1/2" height veneer	10 1/2" X 24"-60"	3" - 4"	82 sq.ft	Varied	4,000	4,482	N/A

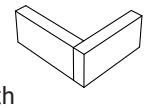
ROCKFORD ESTATE BLEND®
PRODUCT DATA SHEET

Scan me for more info.

INDIANA LIMESTONE - FULL COLOR BLEND™
Rockford Estate Blend® veneer

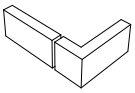
Rockford Estate Blend® is a lightly tumbled, genuine natural stone veneer. It provides a full range of natural colors and sizes to accentuate the architectural style of each application. Available in both thin and full-bed veneer.

THIN VENEER



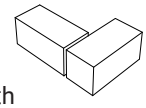
Height	Depth	Length
2" - 12"	¾" - 1 ¼"	4" - 20"

THIN VENEER CORNERS



Height	Depth	Length
2" - 12"	3" - 4"	4" - 12"

FULL-BED VENEER*



Height	Depth	Length
2" - 12"	3" - 5"	Variable

*Each piece of full-bed veneer can be used as a corner

STONES

INDIANA LIMESTONE - FULL COLOR BLEND™
Tumbled

INDIANA LIMESTONE - FOSSIL BEIGE™
Tumbled

ROCKFORD ESTATE BLEND®
PACKAGING INFORMATION

THIN VENEER					
Products	**Size**	**Thickness**	**Quantity per crate**	**Units per crate**	**Weight per crate (Lbs)** Limestone
Pre-packaged mixed	2"-12" X 4"-20"	¾" - 1 ¼"	Small crate 25 sq.ft	Varied	325
			Large crate 150 sq.ft	Varied	1,950
CORNERS					
Pre-packaged mixed	2"-12" X 4"-12"	3" - 4"	Small crate 25 ln.ft	Varied	325
			Large crate 150 ln.ft	Varied	1,950
FULL-BED VENEERS					
Products	**Size**	**Thickness**	**Quantity per crate**	**Units per crate**	**Weight per crate (Lbs)** Limestone
Pre-packaged mixed	2"-12" X Variable	3" - 5"	45 sq.ft per ton	Varied	3,500

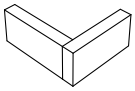
VANDERBILT CLASSIC®
PRODUCT DATA SHEET

Scan me for more info.

INDIANA LIMESTONE - FULL COLOR BLEND™
Vanderbilt Classic® veneer

The strong, clean look of Vanderbilt Classic® veneer is ideal for commercial and fine residential buildings. Available in both thin and full-bed veneer.

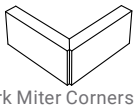
THIN VENEER



Height	Length
3 5/8"	23 5/8"
7 5/8"	23 5/8"
11 5/8"	23 5/8"
15 5/8"	23 5/8"

Depth varies per type of stone
Limestone 1 3/16" - Granite 1" - Marble 25/32"

THIN VENEER CORNERS

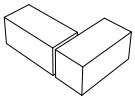


Quirk Miter Corners

Height	Length
3 5/8"	23 5/8"
7 5/8"	23 5/8"
11 5/8"	23 5/8"
15 5/8"	23 5/8"

Depth varies per type of stone
Limestone 1 3/16" - Granite 1" - Marble 25/32"

FULL-BED VENEER & CORNERS*



Height	Depth	Length
3 5/8"	3 5/8"	23 5/8"
7 5/8"	3 5/8"	23 5/8"
11 5/8"	3 5/8"	23 5/8"
15 5/8"	3 5/8"	23 5/8"

*Granite: Full-bed veneer corners are sold separately.
Limestone: Each piece of full-bed veneer can be used as a corner.

STONES

INDIANA LIMESTONE - FULL COLOR BLEND™, Smooth, Antique**, Sandblasted**, and Bush-hammered**
(**Finishes only available in full-bed veneer)

INDIANA LIMESTONE - FOSSIL BEIGE™, Smooth
(not available in full-bed veneer)

EASTERN GRAY™ granite, Thermal

CALEDONIA™ granite, Thermal

SAINT HENRY BLACK™ granite, Thermal

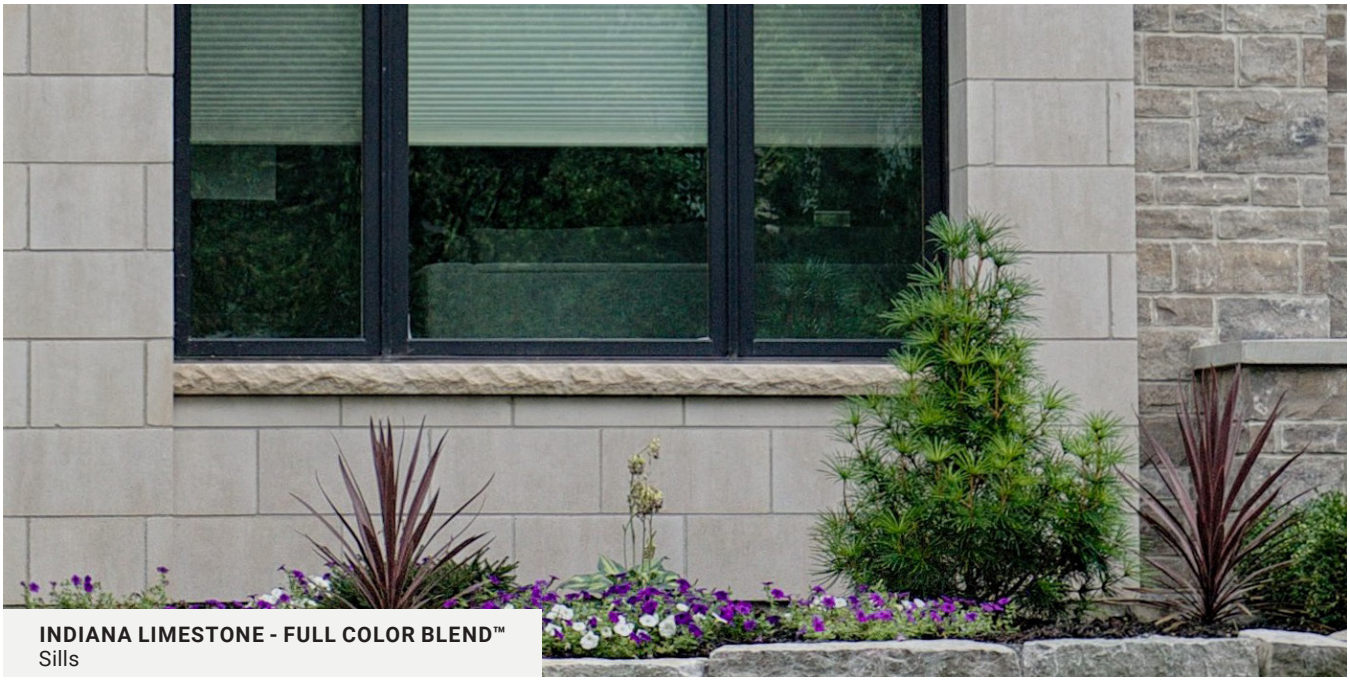
GEORGIA MARBLE™ - PEARL GREY, Smooth

VANDERBILT CLASSIC®
PACKAGING INFORMATION

Nominal size	True size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
THIN VENEER							
4" X 24"	3 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 40 sq.ft	60	650	539 - 760	494
			Large crate 160 sq.ft	240	2,420	1,990 - 2,825	1,837
8" X 24"	7 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 40 sq.ft	30	650	539 - 760	494
			Large crate 160 sq.ft	120	2,420	1,990 - 2,825	1,837
12" X 24"	11 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 40 sq.ft	20	650	539 - 760	494
			Large crate 160 sq.ft	80	2,420	1,990 - 2,825	1,837
16" X 24"	15 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 40 sq.ft	15	650	539 - 760	494
			Large crate 160 sq.ft	60	2,420	1,990 - 2,825	1,837
CORNERS							
4" X 24"	3 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 20 ln.ft	60	650	539 - 760	494
			Large crate 80 ln.ft	240	2,420	1,990 - 2,825	1,837
8" X 24"	7 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 20 ln.ft	30	650	539 - 760	494
			Large crate 80 ln.ft	120	2,420	1,990 - 2,825	1,837
12" X 24"	11 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 20 ln.ft	20	650	539 - 760	494
			Large crate 80 ln.ft	80	2,420	1,990 - 2,825	1,837
16" X 24"	15 5/8" X 23 5/8"	Limestone 1 3/16" Granite 1" Marble 25/32"	Small crate 20 ln.ft	15	650	539 - 760	494
			Large crate 80 ln.ft	60	2,420	1,990 - 2,825	1,837
FULL-BED VENEERS							
4" X 24"	3 5/8" X 23 5/8"	3 5/8"	80 sq.ft	120	4,055	4,402 - 4,733	4,591
8" X 24"	7 5/8" X 23 5/8"	3 5/8"	80 sq.ft	60	4,055	4,402 - 4,733	4,591
12" X 24"	11 5/8" X 23 5/8"	3 5/8"	80 sq.ft	40	4,055	4,402 - 4,733	4,591
16" X 24"	15 5/8" X 23 5/8"	3 5/8"	80 sq.ft	30	4,055	4,402 - 4,733	4,591
CORNERS							
4" X 24"	3 5/8" X 23 5/8"	3 5/8"	40 sq.ft	60	N/A	2,183 - 2,347	N/A
8" X 24"	7 5/8" X 23 5/8"	3 5/8"	40 sq.ft	30	N/A	2,183 - 2,347	N/A
12" X 24"	11 5/8" X 23 5/8"	3 5/8"	40 sq.ft	20	N/A	2,183 - 2,347	N/A
16" X 24"	15 5/8" X 23 5/8"	3 5/8"	40 sq.ft	15	N/A	2,183 - 2,347	N/A

SILLS
PRODUCT DATA SHEET

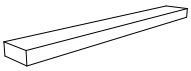
Scan me for more info.



INDIANA LIMESTONE - FULL COLOR BLEND™
Sills

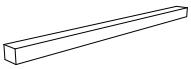
Sills add a subtle accent to any residential or commercial window project. Available in limestone, granite, or marble with a split-face or rock-face edge.

FULL SILLS



Depth	Height
6" X 48"	2 ¼"

THIN SILLS



Depth	Height
3" X 48"	2 ¼"

STONES

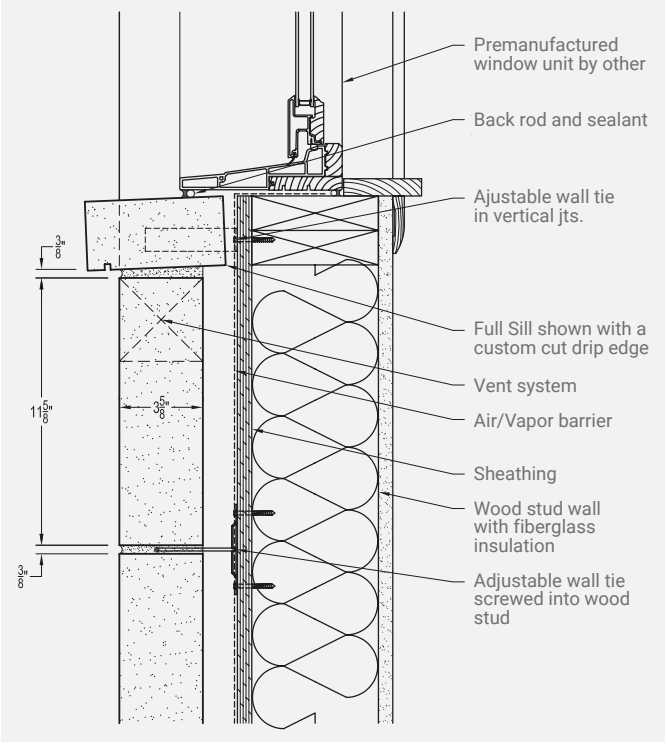
INDIANA LIMESTONE - FULL COLOR BLEND™
Rock-face

EASTERN GRAY™ granite
Split-face

GEORGIA MARBLE™ - PEARL GREY
Split-face

Drip edge not included

DIAGRAM OF SILL INSTALLATION



SILLS
PACKAGING INFORMATION

THIN VENEER

Products	Size	Depth	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
Full Sill - Split-face	2 ¼" X 48"	6"	144 ln.ft	36	1,940	2,261	2,355
Thin Sill - Split-face	2 ¼" X 48"	3"	240 ln.ft	60	1,520	1,889	1,968

ESTATE VENEER SERIES
INSTALLATION GUIDE

DISCLAIMER
This document is intended to be used as a reference for industry professionals who are competent to evaluate the significance and limitations of the information provided herein. This publication should not be used as the sole guide for adhered natural stone veneer and construction. Polycor disclaims any and all legal responsibility for the consequences of applying the information.

It is important to note that details and construction practices vary based on geographical requirements and practice. Design and construction must be adapted for each specific project and factor in regional judgment based on past experiences.

INTRODUCTION
Typically, products are installed by adhering directly to a properly designed and prepared support wall. Thin veneer is also referred to as adhered veneer by building codes and other industry documents.

A various methods, products, and materials are available; some are proprietary. Installation should comply with applicable building codes, manufacturer instructions, industry best practices, and project construction documents. Contact the thin veneer supplier or fabricator for further information regarding recommended installation methods and trained installers.

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CODES AND STANDARDS

MASONRY INDUSTRY CODES, STANDARDS AND OTHER REFERENCES

This installation guide is written specifically to address adhered natural stone.
Other documents to consult are:

- Applicable Building Code, e.g., International Building Code
- Applicable State or Local Municipal Codes, e.g, California has code modifications for thin veneers
- National Masonry Model Code, e.g., Building Code Requirements and Specification for Masonry Structures (TMS 402/602)
- ASTM C1242-15: Standard Guide for Selection, Design, and Installation of Dimension Stone Attachment Systems
- American National Standards Institute (ANSI) 118.4 - Modified Dry Set Cement Mortars
- Indiana Limestone Handbook - 22nd Edition - published by the Natural Stone Institute, or visit: naturalstoneinstitute.org
- International Masonry Institute

SYSTEMS OVERVIEW

THIN MASONRY VENEER SYSTEMS OVERVIEW

Thin masonry veneer systems offer masonry veneers that are thinner and lighter. There are many different types of adhered masonry veneer systems. Depending on the system used, these lightweight veneers can help reduce shipping and construction costs. Also, thin veneer stones can be applied without a stone ledge in the foundation wall. Natural thin stone products have proven to be more durable than manufactured thin stone products.

Thin masonry veneer systems can be installed as barrier or drainage walls. Properly designed drainage thin masonry veneer systems offer the advantages of increased drainage and drying capabilities. Barrier systems do not include adequate provisions for drainage and drying in many climates, so use of this wall type should be carefully considered. Consideration should be based on support wall type, moisture control layer type and location, climate, regional experience, level of installer training, and opportunities for inspection during installation.

WALL COMPONENTS

THIN MASONRY VENEER SYSTEM COMPONENTS

Durable exterior wall systems include an assembly of parts to control moisture, air movement, vapor diffusion, and energy. Depending on the application and regional modifications, below is a list of potential wall components for thin veneers:

- Support Wall
- Weep Screed
- Flashing

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INSTALLATION GUIDE

- Weep Vents
- Casing Beads
- Water / Air / Vapor Barrier
- Drainage Mat
- Insulation

SUPPORT WALL

The success of thin veneers depends greatly on the proper design and preparation of the support wall. Polycor natural stone can be installed over:

- Poured-in-place concrete
- Precast concrete and tilt-up wall panels
- Concrete masonry units
- Framed wood or metal stud wall with sheathing
- Cement board sheathing

Do not install Polycor natural stone over any deteriorating, unsound surface or existing finish experiencing moisture-related issues. The following substrates are typically not good applications for adhered veneers:

- Existing siding in unsound condition
- EIFS
- Clay brick
- Surface below water level

POURED-IN-PLACE CONCRETE, PRECAST AND TILT-UP WALL PANELS

- New concrete should be properly cured to accept thin veneer setting material
- Check for and remove contaminants such as dirt, dust, stains, paint, organic matter, form-release agents, or other substances that could inhibit mortar bond
- Surfaces with a Concrete Surface Profile (CSP) equal to or greater than 2 are usually acceptable for the installation of thin masonry veneers
- Make sure the wall is sound and without defects
- Check for plumb, level, and low or high points - modify setting method and material accordingly
- Poured-in-place concrete walls may have to be made level before using thin-set applications
- Provide capillary break between poured-in-place concrete, precast, and tilt-up wall panels and limestone veneer units to eliminate prolonged contact with alkali sources

CONCRETE MASONRY UNITS (CMU)

- New masonry should be properly cured to accept thin veneer setting material
- Check for and remove contaminants such as dirt, dust, stains, paint, organic matter, form-release agents, or other substances that could inhibit mortar bond
- Make sure the wall is sound and without defects
- Provide capillary break between concrete masonry units and limestone, granite, and marble veneer units to eliminate prolonged contact with alkali sources

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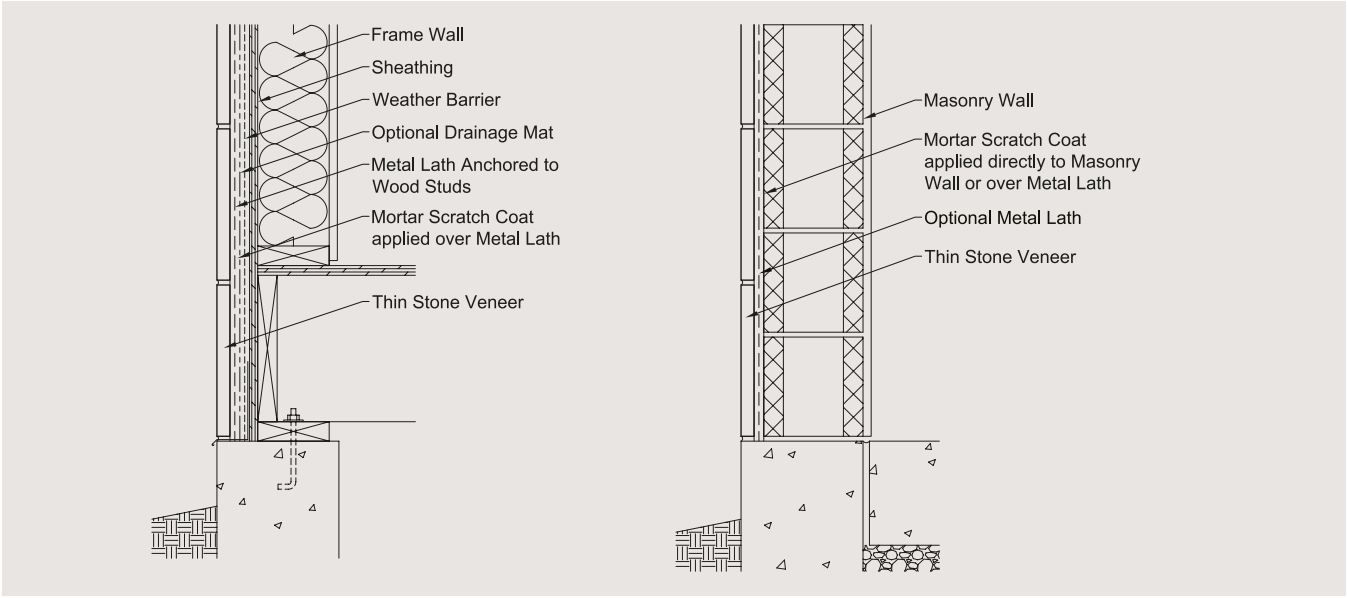
FRAMED WOOD OR METAL STUD WALLS WITH SHEATHING

- Per ASTM C1242-15, exterior walls to receive thin natural stone veneers should be designed with a stiffness ratio of L/1000 minimum
- CMU walls typically have stiffness ratios much greater than L/1000
- Thin natural stone veneer systems have been successful on substrates with stiffness ratios of L/600. Use regional judgment
- Single-story metal studs to be a minimum of 20-gauge spaced 16" on center
- Properly protected sheathing can be OSB, plywood, tile backer wall board, or cement board
- Do not install Polycor natural stone adhered veneers over open stud systems
- Install sheathing with recommended gaps between sheets and movement joints the sheathing manufacturer



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CEMENT BOARD SHEATHING
- For exterior applications, use exterior-rated cement board
- For exterior applications, install cement board sheathing over primary wall sheathing to comply with structural, fire code, and wind code requirements
- For both exterior and interior cement board sheathing, install recommended movement joints-per sheathing manufacturer
- Properly prepare joints between sheathing boards according to sheathing manufacturer
- Dampen cement board before applying scratch coat

INTERIOR USES
- Design interior wall stiffness to L/600 minimum
- Polycor natural stone can be directly applied to interior tile backer wallboard or cement board
- Do not install adhered veneer units directly to wood substrates
- Dry-stack applications are acceptable for interior applications
- Movement joints in adhered veneer should align with points of expected movement in the support wall

WEEP SCREEDS, FLASHING AND WEEP VENTS
- Install code required corrosion-resistant weep screeds, flashing, and weep vents at the base of the wall, over doors, windows, and any other location of the veneer where the downward flow of moisture is interrupted
- Use stainless steel or other non-staining weep screeds and flashing
- When using adhesive flashing membranes, use metal drip edge and hold flashing back from veneer face ½" - ¾" to prevent flashing drool from coming out of the wall
- Secure weep screed and flashing to support wall to make watertight
- Install flashing or other water-resistant material at top of the thin veneer to ensure water does not enter the veneer system from above, especially at locations where a different veneer material is installed above the thin masonry veneer
- Install weep vents 24" on the center. If using rope wicks, install I6" on the center
- Install roof kickout flashing to keep rooftop rainwater from flowing onto veneer units

CASING BEADS
- Casing beads must be corrosion-resistant
- Casing beads can be used to cover otherwise exposed scratch coat and setting bed at edges of wall panels
- Casing beads can be used to define movement joints in scratch coat and setting bed. Refer to Technical Services Information Bureau Technical Bulletin 60.155

WATER/AIR/VAPOR BARRIER
- Install code-approved water/air/vapor barrier in proper location(s) within wall assembly to control condensation, and other moisture before thin veneer is applied
- Connect appropriate barriers to be air and water tight at openings and penetrations such as windows, doors, louvers, electrical boxes, conduits, and plumbing
- Install fluid-applied and sheet membrane barriers over moisture-sensitive support walls such as wood sheathing

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- Install a minimum of two layers of building paper or building wrap water-resistive barriers under thin veneer systems on non-moisture sensitive support walls
- Lap water-resistive barrier 2" minimum horizontally (shingle-style) and 6" minimum vertically or per manufacturer's instructions
- One layer water-resistive barrier can be used behind a drainage mat, continuous insulation, or paper-backed lath

DRAINAGE MAT

- Install required drainage mats or furring strips per local building code
- Install drainage mats or furring strips behind thin veneers installed over wood support walls
- Drainage mats should have filter fabric or other means to keep scratch-coat mortar from interrupting the downward flow of moisture
- Use rigid drainage mats to provide rapid drying capacity to the wall and not to allow self-furring dimpled metal lath to sink into them
- Drainage mat thickness to be 3/16" minimum and 3/4" maximum
- 3/8" (10mm) minimum drainage mats are required by the 2005 National Building Code of Canada

CONTINUOUS INSULATION

- Install primary air/water/vapor barrier under exterior continuous rigid insulation, as required
- Install rigid sheathing over exterior continuous rigid insulation before installing adhered veneer
- Tape or foam seams between sheets of insulation to make watertight and for continuity of thermal resistance
- When continuous insulation is thicker than 1/2", lath fasteners and spacing should be engineered to carry dead and live loads
- For insulation greater than 1 1/2", metal Z-furring channels are often used in lieu of screws or other fasteners
- Consider installing Z-furring channels perpendicular to metal studs to minimize thermal transfers

LATH

- For natural stone adhered veneers, use a minimum of 3.4 pound/square foot expanded metal galvanized diamond metal lath conforming to *ASTM C1063-15: Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster*
- All lath and lath accessories must be corrosion resistant
- Consider using stainless steel lath in coastal regions and other situations where durability, corrosion of the metal lath, and staining are a concern
- Non-metallic lath material should meet standards of ASTM C1780-13, and be approved by local building officials
- Lath should be self-furring or attached with self-furring fasteners to allow at least 1/4" of mortar behind lath
- Install metal lath with "cups" facing up to help prevent mortar from sagging and to create a physical bond
- Correctly installed, metal lath will feel rough to the touch when swiping hand down and smooth going up
- Lap metal lath 1" minimum on all sides and ends
- The ends of adjoining lath pieces should be staggered
- Install lath tight against support wall, so there is no spring effect
- Wrap metal lath tight around corners 12" minimum and fasten to a framing member

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LATH FASTENERS

- Use corrosion-resistant fasteners that conform to ASTM C1063
- Fasteners should penetrate wood studs 1 ¼" minimum or ⅜" minimum into metal studs
- Copper staples can be used with a wide crown
- Fasteners should have a 7/16" minimum washer or head to prevent lath pull out
- Space fasteners 7" maximum vertically and 16" maximum horizontally
- When continuous exterior insulation is thicker than ½", use engineer sheathing and lath fasteners spacing and type to carry dead and live loads
- Helpful fastener engineering documents include: *Foam Sheathing Coalition's "Guide to Attaching Exterior Wall Coverings Through Foam Sheathing" December 7, 2011, and Dr. J Technical Evaluation Report TER Number | 302-01, September 11, 2013*
- Be aware that some natural stone adhered veneer systems are near or greater than 25 psf
- With adhered veneer systems weighing over 25 psf, use Z-furring channels to support stone over continuous exterior insulation greater than 1 ½" thick
- Where applicable, install Z-furring channels perpendicular to wall framing to minimize thermal transfers

MORTAR

- Use polymer-modified, non-staining, sag-resistant Type N (ASTM C270) stone veneer mortar for both scratch coat and setting bed
- Use low-alkali cement mortar mixes or polymer compounds to minimize staining potential
- Polymer compounds such as epoxy can be used, per ASTM C1242-15, if compatible with stone and substrate and do not exhibit long-term creep or staining
- To reduce potential darkening effect on veneer units from mortar setting bed, match mortar color to stone or lighter. Construct a mock-up to evaluate mortar/ stone compatibility
- The use of "low efflorescence" ANSI 118.7 high-performance sanded grout between units will minimize staining potential

VENEER UNITS

- The national masonry model code (TMS 402/602) defines "prescriptive requirements" for adhered veneer unit size not to exceed: 2 5/8" in specified thickness, 36" in any face dimension, 5 sq.ft. in total face area, and shall not weigh more than 15 psf
- If adhered veneer units do not conform to these prescriptive requirements, designers can use the "alternative design" approach as outlined in TMS 402, Section 6.3.1
- For prescriptive requirements design, the average thickness of Polycor natural stone shall not be more than 1 ¼" thick
- Polycor natural stone veneer units should be 3 sq.ft. or less face area if support wall has deflection ratio of less than L/1000
- **INDIANA LIMESTONE - FULL COLOR BLEND™** units ¾" thick are more prone to breakage during handling and staining issues as compared to thicker units
- Check veneer units for cracks, damage, consistent thickness, cleanliness, and excessive over-cut corner pieces. Over-cutting should not be more than ⅓ stone depth
- Clean the back surface of veneer units to be adhered of all dirt, debris, loose stone, or sediment before applying

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VENEER JOINTS

- For maximum weather resistance in mild to severe climates, use ⅜" concave mortar joints
- Rough-cut flush, raked, or stack bond joints will not be as water-resistant as tooled joints
- Raked or weathered joints should be compressed as firmly as possible when mortar is "thumbprint hard."
- Keep mortar joints ½" maximum width to minimize shrinkage cracks in joint
- Pointing mortar can be used to achieve different colors
- Use professional and regional judgment when using dry-stack stone patterns. The Rocky Mountain Masonry Institute states: "Dry-stack patterns are not recommended for exterior use in harsh environments like Colorado."
- When using dry-stack patterns, consider using Thinset (ANSI 118.4) medium-grade or high-grade depending on exposure

MOVEMENT JOINTS

- Per the national masonry model code (TMS 402/602), it is the responsibility of the building designer to locate movement joints-not the mason
- Align both vertical and horizontal veneer movement joints with expected movement locations in the support wall
- Discontinue lath, scratch coat, and setting bed at movement joints
- Movement joints to be at least ⅜" wide
- ASTM C1242-15 recommends vertical movement joints to be spaced 15' on center maximum
- The Building Stone Institute recommends vertical movement joints to be spaced 30' on center maximum in walls without windows
- Add distance between vertical movement joints around outside corners
- Consider locating veneer movement joints at all inside corners
- For interior applications, align veneer movement joints with expected points of movement in the support wall
- Install ⅜" movement joints at interface of stone veneer to window/door frames, other penetrations, and dissimilar veneer materials for installation of a backer rod and sealant
- When locating a movement joint by an opening near a corner, locate it on the corner side of the opening
- Locate horizontal movement joints to accommodate vertical movement of building structure, this is especially important with wood substrates
- Decrease movement joint spacing in veneer with support walls less stiff than L/1000
- Movement joint sealant should be non-staining
- For additional information about the use of sealants and dampproofing with **INDIANA LIMESTONE - FULL COLOR BLEND™**, refer to the Indiana Limestone Handbook, published by the Indiana Limestone Institute of America
- Use professional and regional judgment when locating movement joints

WATER REPELLENT

- In general, water repellents are not required for Polycor natural stone veneers
- When using water repellents, use highly vapor-permeable penetrating clear liquids of low viscosity
- For areas in need of protection due to expected graffiti, consult stone sealant manufacturers for a recommendation. Graffiti repellents sit atop the stone and may change the appearance of the stone

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- For additional information regarding water repellents, refer to the Indiana Limestone Handbook, published by the Indiana Limestone Institute of America, or the Natural Stone Institute's (NSI) Dimension Stone Design Manual

INSTALLATION

SCRATCH COAT
Two acceptable methods of scratch coat installation are using the traditional hardened scratch coat or the "Scratch and Go" method.

OPTION #1: TRADITIONAL SCRATCH COAT
- Completely encapsulate lath with ½" to ¾" mortar thickness
- Create horizontal texture in scratch coat with steel comb or ⅛" notched trowel
- Allow scratch coat to dry for 24 to 48 hours
- Dampen scratch coat with potable water before installing units

OPTION #2: "SCRATCH AND GO"
- This technique is sometimes desirable for construction sequencing purposes
- Completely encapsulate lath with ½" to ¾" mortar thickness
- Keep work area limited to 10 sq.ft. so mortar on the wall does not fully set before placing stones
- Back butter and install veneer units. See the next section of this guide, Setting of Veneer Units
- Use shims to keep stones from sagging

SETTING OF VENEER UNITS
- Dampen dried scratch coat or cement board sheathing with potable water before applying veneer units. Surface should be moist but not saturated
- In hot weather conditions or with hot units, dampen back of stone
- Apply ½" minimum thick setting bed mortar to back. ASTM C1242-15 (~100%)
- Place a slight excess of mortar at edges of stone to allow some mortar to squeeze out of the stone edges and fill the joints when pressure is applied
- Place stone firmly into scratch coat with slight rotating motion
- If unit gets disturbed during installation, remove unit and reset with new mortar
- Do not install veneer units when other trades will be working nearby, resulting in vibration for 24 hours, e.g., site work or interior work
- The resulting total mortar thickness behind the stone should be between ¾" and 1 ¼"

CLEANING
- Keep stone veneer units clean during installation to ease final cleaning
- Installing veneer units from top down helps keep units clean during construction
- Let mortar droppings on stone face dry slightly and then pick off or carefully brush so as not to smear
- Use clean, potable water for cleaning
- Pre-wet veneer first before applying cleaning solutions
- Use mild soap powder, detergent, or a mild water and vinegar solution with a soft bristle brush to remove any dirt or mortar smears

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- Do not use cleaning acids
- Do not use high-pressure cleaning methods unless approved
- Test cleaning solutions and procedures on a mock-up panel or sample panel on the building
- Keep Estate Veneer Series products protected from rundown from cleaning different veneer systems above
- "New Building Bloom" may appear on veneer soon after construction, caused mainly by water in fresh mortar. This phenomenon is common and typically goes away in the first year of occupancy
- For help with difficult or chronic cleaning issues, contact the stone supplier

WORKMANSHIP

- Store materials off the ground and keep them covered to reduce exposure to rain, snow, groundwater, and mud splatters
- Cover adjacent grade to avoid stains from splashing water or mud. Keep protection in place until final landscaping is in place
- Cover tops of unfinished walls with water-resistant material during inclement weather and at the end of each workday
- Use clean, potable water for mortar, grout, wetting of substrate, veneer units, and cleaning
- Protect adjacent surfaces near the veneer installation area from potential damage, such as windows, doors, other cladding materials, and wood floors
- Minimize material handling on-site to reduce veneer unit chipping and breakage
- Turn up scaffolding boards near the wall at night to prevent rain splash onto veneer
- Keep stone veneer units clean during installation to ease final cleaning
- Let the mortar droppings on stone face dry slightly
- Then, pick off or carefully brush off so as not to smear

HOT AND COLD WEATHER CONSTRUCTION

- Install scratch coat and veneer units according to hot and cold weather provisions as cited in the national masonry model code (TMS 602-11, Section 1.8D)
- In hot and dry climates and conditions, it is imperative to dampen substrate and back of veneer units, so moisture is not absorbed too quickly from mortar, resulting in improperly hydrated mortar and a weakened bond
- Providing shade or frequent misting of the wall may be required for proper curing of mortar

TESTING

- When fully cured, veneer units should be bonded to wall with at least 50 psi minimum shear strength based on gross unit surface when tested following ASTM C1780 and test method ASTM C482, or shall be adhered in compliance with Article 3.3C of the National Masonry Model Code (TMS 402/602)
- Additional periodic testing of veneer units during installation per ASTM C1242-15
- Require observation during installation and testing per manufacturer instructions with proprietary lathless bonding systems
- See Section Overhead, Horizontal, and Tilting-Forward Applications of this guide

MAINTENANCE

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- Keep excessive moisture from saturating the wall
- Adjust landscape sprinklers, gutters and downspouts, roof kickout flashing, scuppers, etc., to prevent water from constantly wetting the wall
- Adjust landscaping to prevent dirt from splashing onto the wall
- Periodically remove organic matter such as ivy, moss, and mildew
- Ivy should be cut at the base, allowed to dry, and then be brushed off
- Do not pull ivy suckers out of stone
- Inspect cladding hands-on approximately one year after installation to verify performance
- Periodically inspect veneer for cracked/loose units or cracked mortar joints that may appear from building shifts and settlement. ASTM C1496 offers a guide to inspection
- Repoint mortar joint cracks and replace cracked or loose units to restore the wall's natural weather resistance and durability
- Do not subject **INDIANA LIMESTONE - FULL COLOR BLEND™** or **GEORGIA MARBLE™ - PEARL GREY** to contact with de-icing materials or other harsh chemicals. Do not use de-icing chemicals on the area immediately adjacent to an **INDIANA LIMESTONE - FULL COLOR BLEND™** or **GEORGIA MARBLE™ - PEARL GREY** veneer. Prolonged exposure to these conditions may discolor or damage the surface

DESIGN CONSIDERATIONS

BASE OF WALL

- ½" clearance above walking surface with the same foundation as the building
- 2" clearance above paved areas
- 6" clearance above earth
- In areas where de-icing salts and solutions will be used, consider the application of a breathable, penetrating water repellent to the face of veneer units, 24" high above surface, to protect stone from staining and deterioration. Protect bottom edge of veneer unit from absorbing moisture and contaminants or use one of Polycor's granite or marbles for base installation

WINDOW SILLS

- Window sills and courses protruding more than ½" should be supported with corrosion-resistant clip angles at both ends of sill pieces to resist eccentric rotational forces
- Clip angle should support at least 2/3 of the depth of the sill or protruding stone
- Sills should have at least 1 ½" overhang
- Sills should have a drip cut on the underside unless the bottom edge of sill is installed with a 5% pitch or greater
- Sills should be pitched away from window
- Lug sills are more water-resistant than sills that stop at jamb
- Skyward facing joints between sill pieces and at the end of sill pieces should be raked ¾" deep for placement of backer rod and caulk

TOP OF WALL

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- Create top of wall details to resist wind-driven moisture that may saturate top of stone, setting bed, scratch coat, or support wall
- Consider installing back rod and caulk between top of thin veneer and top of wall wood blocking before metal wall cap is installed
- Install through-wall sheet metal flashing under top of wall coping stones. Provide 1 ½" overhang on coping stone with drip cut on the underside. Rake joints between top-of-wall coping stones ¾" deep for installation of back rod and caulk

OVERHEAD, HORIZONTAL AND TILTING-FORWARD APPLICATIONS

- These applications should be approved by the local building official and visually inspected during installation, and sample units should be tested for bond strength
- Overhead, horizontal, and tilting-forward applications should use supplemental mechanical anchors

All Polycor Estate Veneer Series natural stone products meet or exceed the strength requirements set forth by ASTM standards, including that which is included in ASTM C568 for Type II Dimensional limestone for **INDIANA LIMESTONE - FULL COLOR BLEND™** and in ASTM C615 for Dimensional granite, as well as ASTM C503 for Dimensional marble.

ABOUT POLYCOR

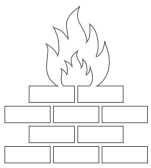
Why use Polycor stone? From quarry to delivery, we own our supply chain and a wide portfolio of marbles, granites, and limestones, providing you with shorter lead times and lasting results.

Your architecture and landscape designs need premium materials. Let Polycor help you set the stage with stone.

ESTATE VENEER SERIES
COURSING DIAGRAM

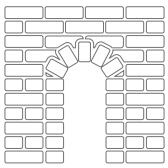
Polycor provides timeless accents and durability to your residential or commercial project. Our natural stone veneers offer the perfect complement to your design vision and are available in three styles. We have a distinguished history, large inventory, and superior turnaround time. As a result, we are able to guarantee consistent veneers to fit your design needs.

COMMON APPLICATIONS

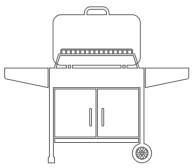


HEARTH & MANTEL

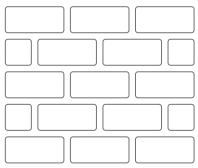
KITCHEN & BATHROOMS



EXTERIOR FACADES



OUTDOOR LIVING



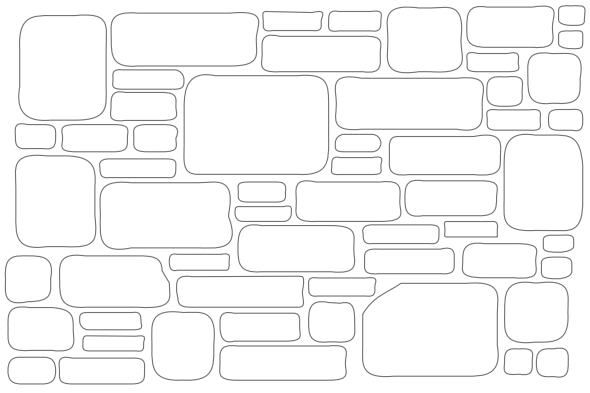
COLUMNS

COURSING OPTIONS

Ensure the perfect blend of stone for your project by mixing and matching veneers. These coursing styles can be accomplished with both thin and full-bed veneers. A mix of patterns shows creativity and depth, unique to your personal style.

ROCKFORD ESTATE BLEND®

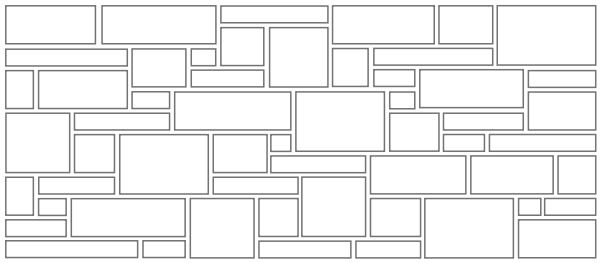
RANDOM



A. Random sized stones pattern
B. Dimensions range from course heights of 2" to 12"
C. Stone lengths vary from 4" to 20"

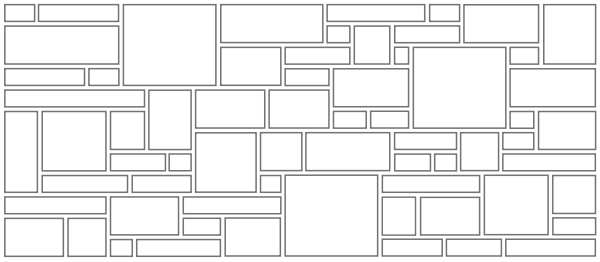
BERKSHIRE®

SEMI-DIMENSIONAL:
ASHLAR 3-HEIGHT STANDARD



A. Shown in heights ranging from 2 ¼" to 7 ¾"
B. 15% - 2 ¼", 40% - 5", and 45% - 7 ¾"

SEMI-DIMENSIONAL:
ASHLAR 4-HEIGHT STANDARD

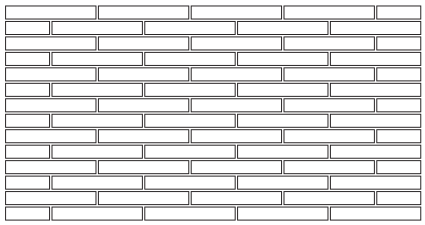


Shown in heights ranging from 2 ¼" to 10 ½"
10% - 2 ¼", 35% - 5", 40% - 7 ¾", and 15% - 10 ½"

ESTATE VENEER SERIES
COURSING DIAGRAM

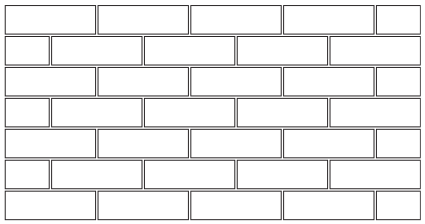
VANDERBILT CLASSIC®

RUNNING BOND (4x24)



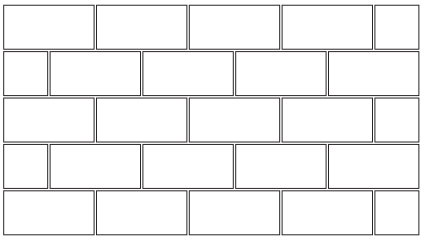
Pattern uses 3 5/8" at 23 5/8" length.

RUNNING BOND (8x24)



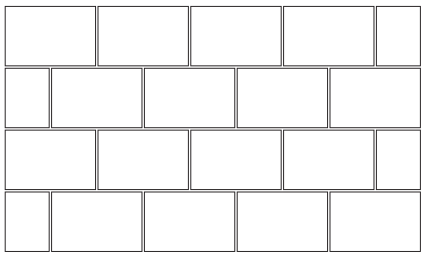
Pattern uses 7 5/8" at 23 5/8" length.

RUNNING BOND (12x24)



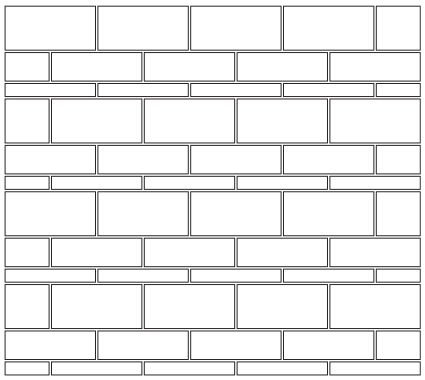
Pattern uses 11 5/8" at 23 5/8" length.

RUNNING BOND (16x24)



Pattern uses 15 5/8" at 23 5/8" length.

3-COURSE Running bond



Pattern uses 3 5/8", 7 5/8", 11 5/8" at 23 5/8" lengths.

WHY POLYCOR HARDSCAPES & MASONRY?

Stronger
Polycor owns over 55 quarries, and each block of stone in our inventory is as strong as the first one we pulled out of the earth over 100 years ago. Cast stone, on the other hand, is man-made and must be tested periodically throughout a large project to determine its strength.

Durable
Polycor's products are built to last, and no man-made building materials can compare. Our stone has demonstrated its durability at each opportunity. One look at any of the iconic structures built at the beginning of the 20th century is all the evidence we need to prove our lasting power.

Better Looking
Polycor stones naturally enhance the surrounding spaces in which they are installed, as they originate from the earth itself. Each one has a unique coloring and bold simplicity suited for any project. It doesn't matter if your building is more classic or modern, the Estate Veneer Series can complement every architectural style or building material.

TECHNICAL AND INSTALLATION GUIDES

For more detailed installation and technical information on our Estate Veneer Series visit:
hardscapes.polycor.com/products/estate-veneer-series/

PRICING INFORMATION

For pricing inquiries of Polycor Estate Veneer Series, please contact your local dealer or a Polycor Regional Sales Manager at **812.287.7500**.

Walkways & Patios

TAKE YOUR PROJECT TO THE NEXT LEVEL.
From the organic look of winding walkways to the clean lines of formal patios and poolscapes, natural stone sets the stage for outdoor living designs.

PAVERS
PRODUCT DATA SHEET

Scan me for more info.

EASTERN GRAY™ granite
Pavers

Pavers offer striking surface textures, colors, and composition to help you achieve your design vision for patios, walkways, pool decks, and more.

Shape	Nominal Size	True Size	Thickness
	12" X 12"	11 5/8" X 11 5/8"	1 1/2"
	12" X 18"	11 5/8" X 17 5/8"	1 1/2"
	12" X 24"	11 5/8" X 23 5/8"	1 1/2"
	12" X 36"	11 5/8" X 35 5/8"	1 1/2"
	18" X 18"	17 5/8" X 17 5/8"	1 1/2"
	18" X 24"	17 5/8" X 23 5/8"	1 1/2"
	18" X 30"	17 5/8" X 29 5/8"	1 1/2"
	18" X 36"	17 5/8" X 35 5/8"	1 1/2"
	24" X 24"	23 5/8" X 23 5/8"	1 1/2"
	24" X 30"	23 5/8" X 29 5/8"	1 1/2"
	24" X 36"	23 5/8" X 35 5/8"	1 1/2"

STONES

INDIANA LIMESTONE - FULL COLOR BLEND™*
Smooth, Antique, Bush-hammered, or Sandblasted

INDIANA LIMESTONE - FOSSIL BEIGE™*
Smooth, Antique, Bush-hammered, or Sandblasted
Only available in sizes 12" X 24" / 24" X 24" / 24" X 36"

BETHEL WHITE® granite
Thermal

EASTERN GRAY™ granite
Thermal

CALEDONIA™ granite
Thermal

SAINT HENRY BLACK™ granite
Thermal

NEW **GEORGIA MARBLE™ - PEARL GREY**
Sandblasted

*Cement-based damp proofing should be applied to the back and all unexposed sides of the pavers to protect the limestone from moisture and prevent staining.

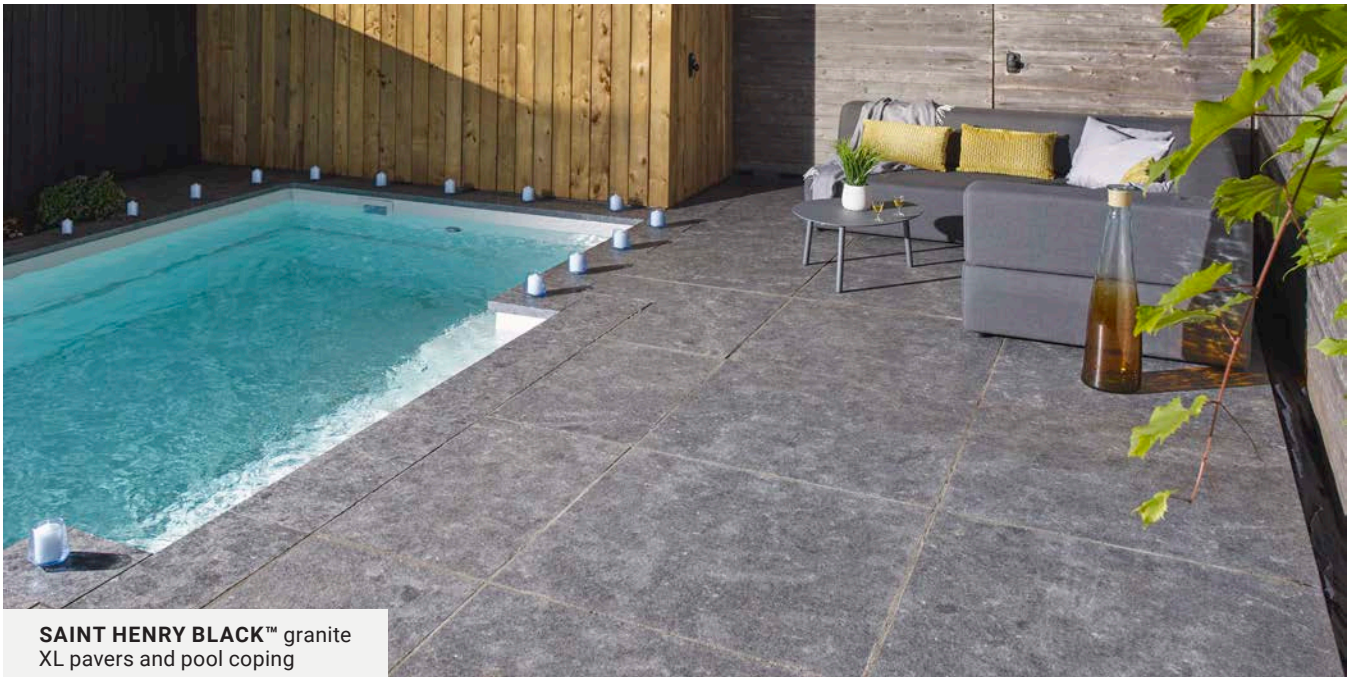
PAVERS
PACKAGING INFORMATION

THIN VENEER

Nominal Size	True Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
12" X 12"	11 5/8" X 11 5/8"	1 1/2"	108 sq.ft	108	2,072	2,130 - 2,423	2,219
12" X 18"	11 5/8" X 17 5/8"	1 1/2"	117 sq.ft	78	2,220	2,329 - 2,615	2,426
12" X 24"	11 5/8" X 23 5/8"	1 1/2"	108 sq.ft	54	2,072	2,164 - 2,423	2,254
12" X 36"	11 5/8" X 36 5/8"	1 1/2"	117 sq.ft	39	2,220	2,353 - 2,615	2,452
18" X 18"	17 5/8" X 17 5/8"	1 1/2"	135 sq.ft	60	2,498	2,710 - 3,018	2,823
18" X 24"	17 5/8" X 23 5/8"	1 1/2"	156 sq.ft	52	2,886	3,141 - 3,473	3,273
18" X 30"	17 5/8" X 29 5/8"	1 1/2"	97.5 sq.ft	26	1,804	1,984 - 2,195	2,067
18" X 36"	17 5/8" X 35 5/8"	1 1/2"	117 sq.ft	26	2,165	2,378 - 2,615	2,477
24" X 24"	23 5/8" X 23 5/8"	1 1/2"	120 sq.ft	30	2,300	2,442 - 2,685	2,631
24" X 30"	23 5/8" X 29 5/8"	1 1/2"	130 sq.ft	26	2,405	2,646 - 2,913	2,757
24" X 36"	23 5/8" X 35 5/8"	1 1/2"	156 sq.ft	26	2,886	3,174 - 3,473	3,307

XL PAVERS
PRODUCT DATA SHEET

Scan me for more info.



SAINT HENRY BLACK™ granite
XL pavers and pool coping

Available in two different sizes, our XL pavers are the perfect solution to enhance entrances, walkways, and patios. Providing straight, clean lines for a contemporary look, large pavers have a unifying effect, making any space feel larger.

Shape	Nominal Size	True Size	Thickness
	24" X 48"	23 5/8" X 47 5/8"	1 1/2"
	36" X 36"	35 5/8" X 35 5/8"	1 1/2"

STONES

INDIANA LIMESTONE - FULL COLOR BLEND™
Smooth*

BETHEL WHITE® granite
Thermal

NEW **CALEDONIA™** granite
Thermal

EASTERN GRAY™ granite
Thermal

SAINT HENRY BLACK™ granite
Thermal

NEW **GEORGIA MARBLE™ - PEARL GREY**
Sandblasted

*Cement-based damp proofing should be applied to the back and all unexposed sides of the pavers to protect the limestone from moisture and prevent staining

XL PAVERS
PACKAGING INFORMATION

THIN VENEER

Nominal Size	True Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
24" X 48"	23 5/8" X 47 5/8"	1 1/2"	96 sq.ft	12	1,800	1,920 - 2,160	2,100
36" X 36"	35 5/8" X 35 5/8"	1 1/2"	117 sq.ft	12	2,025	2,160-2,423	2,355

PATTERN PAVERS
PRODUCT DATA SHEET

Scan me for more info.

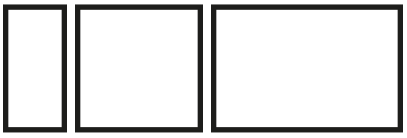
INDIANA LIMESTONE - FULL COLOR BLEND™
Pattern pavers

Sold in sets with three different sizes, patter pavers provide contractors with a wide array of design options. Simplify your design with pre-configured layouts.

PRE-PACKAGED 3-PIECE

Dimensions*	Thickness
12" X 24"	1 ½"
24" X 24"	1 ½"
24" X 36"	1 ½"

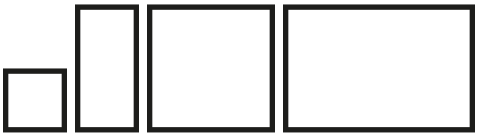
*All pavers are nominal cut (e.g. 12" X 24" is actually 11 ⅝" X 23 ⅝", etc.)
Ratio: 17% - 12" X 24", 33% - 24" X 24", 50% - 24" X 36".



NEW PRE-PACKAGED 4-PIECE

Dimensions*	Thickness
12" X 12"	1 ½"
12” X 24”	1 ½"
24" X 24"	1 ½"
24" X 36"	1 ½"

*All pavers are nominal cut (e.g. 12" X 24" is actually 11 ⅝" X 23 ⅝", etc.)
Ratio: 11% - 12" X 12", 11% - 12" X 24", 44% - 24" X 24", 33% - 24" X 36".



STONES

- **INDIANA LIMESTONE - FULL COLOR BLEND™***, Smooth, Antique, Bush-hammered, or Sandblasted
- **INDIANA LIMESTONE – FOSSIL BEIGE™***; Smooth
- **BETHEL WHITE®** granite, Thermal
- **EASTERN GRAY™** granite, Thermal
- **CALEDONIA™** granite, Thermal
- **SAINT HENRY BLACK™** granite, Thermal
- NEW **GEORGIA MARBLE™ - PEARL GREY**, Sandblasted

*Cement-based damp proofing should be applied to the back and all unexposed sides of the pavers to protect the limestone from moisture and prevent staining

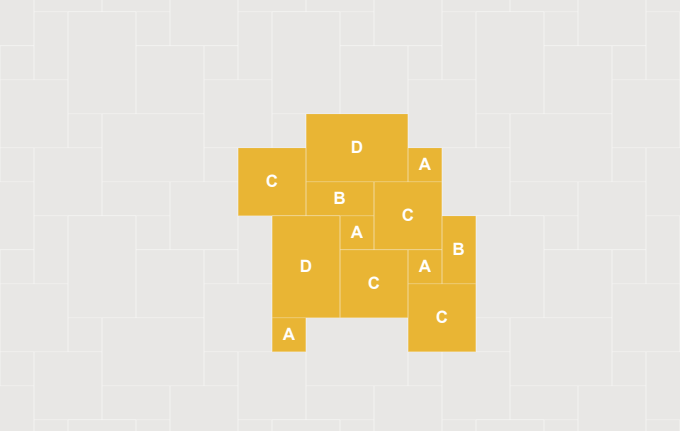
PATTERN PAVERS
PACKAGING INFORMATION

THIN VENEER

Products	Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
Pre-packaged 3-height 12" X 24" 24" X 24" 24" X 36"	**17%** 11 5/8" X 23 5/8" **33%** 23 5/8" X 23 5/8" **50%** 23 5/8" X 35 5/8"	1 1/2"	144 sq.ft	36	2,600	2,918 - 2,948	3,040
NEW Pre-packaged 4-height 12" X 12" 12" X 24" 24" X 24" 24" X 36"	**11%** 11 5/8" X 11 5/8" **11%** 11 5/8" X 23 5/8" **44%** 23 5/8" X 23 5/8" **33%** 23 5/8" X 35 5/8"	1 1/2"	108 sq.ft	36	2,004	2,279 - 2,452	2,347

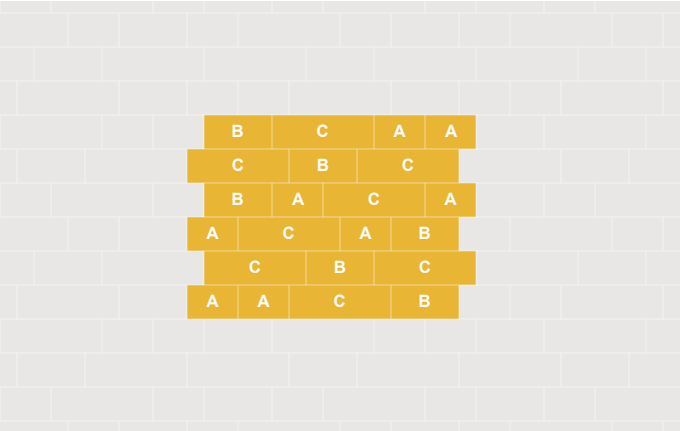
PAVER LAYOUT DESIGNS

BILTMORE (PRE-PACKAGED 4-PIECE)



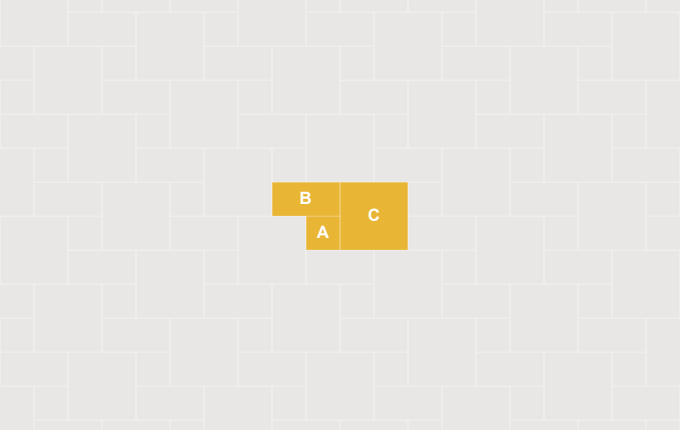
Module	Size (in)	Pcs required	Coverage
A	12 X 12	4	11%
B	12 X 24	2	11%
C	24 X 24	4	44%
D	24 X 36	2	33%

CAMBRIDGE



Module	Size (in)	Pcs required	Coverage
A	12 X 18	8	25%
B	12 X 24	6	25%
C	12 X 36	8	50%

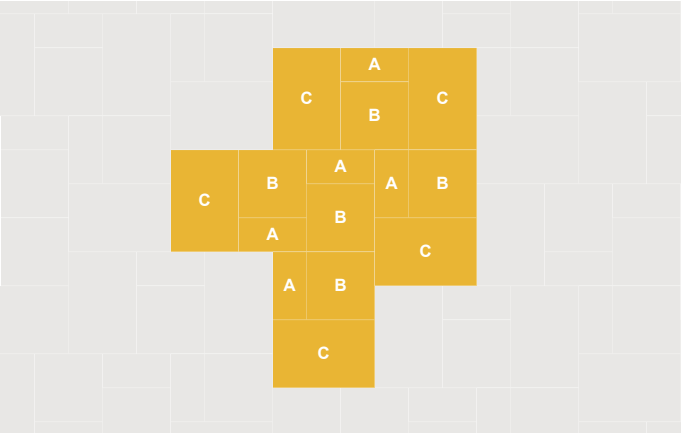
CHARLESTON



Module	Size (in)	Pcs required	Coverage
A	12 X 12	1	14%
B	12 X 24	1	29%
C	24 X 24	1	57%

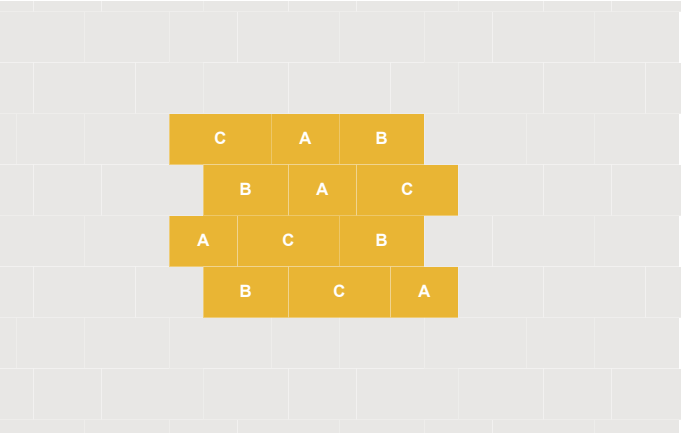
PAVER LAYOUT DESIGNS

SHERBROOKE (PRE-PACKAGED 3-PIECE)



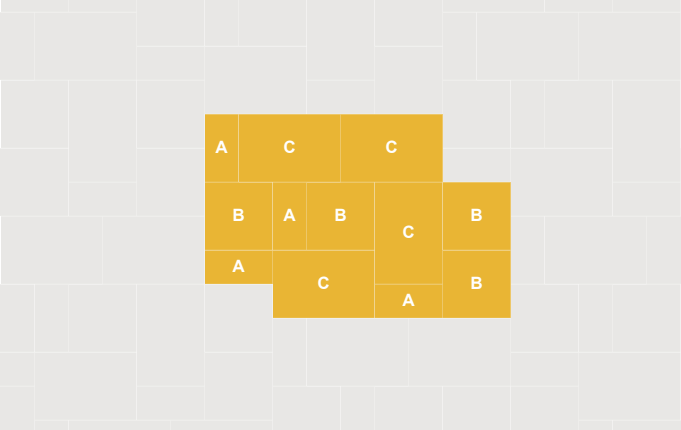
Module	Size (in)	Pcs required	Coverage
A	12 X 24	5	17%
B	24 X 24	5	33%
C	24 X 36	5	50%

CONCORD



Module	Size (in)	Pcs required	Coverage
A	18 X 24	4	27%
B	18 X 30	4	33%
C	18 X 36	4	40%

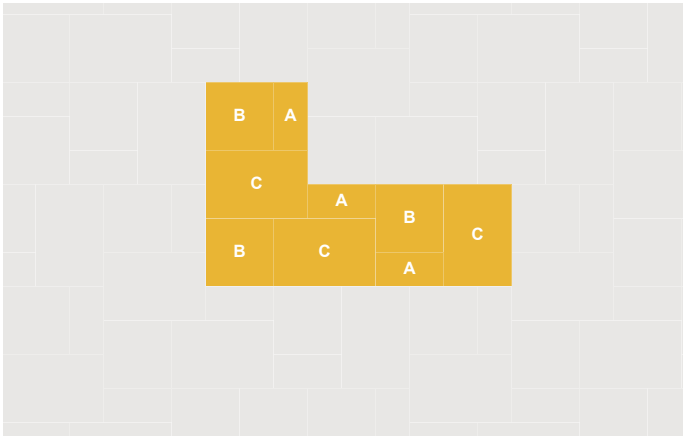
MONTPELIER (PRE-PACKAGED 3-PIECE)



Module	Size (in)	Pcs required	Coverage
A	12 X 24	4	17%
B	24 X 24	4	33%
C	24 X 36	4	50%

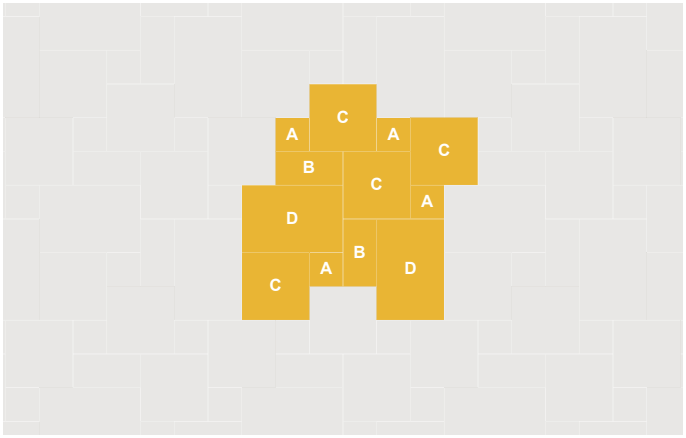
PAVER LAYOUT DESIGNS

NEWPORT (PRE-PACKAGED 3-PIECE)



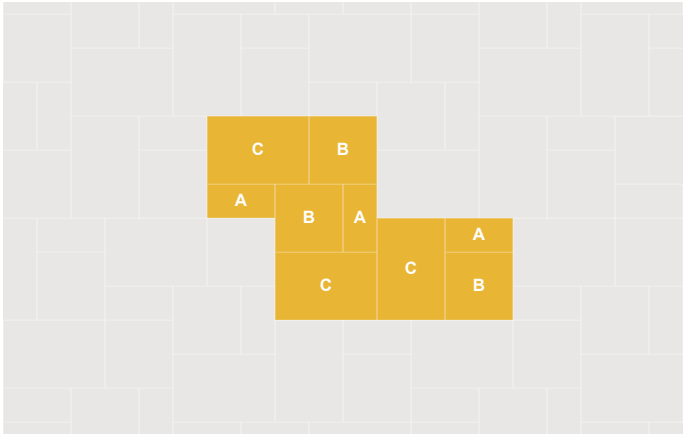
Module	Size (in)	Pcs required	Coverage
A	12 X 24	3	17%
B	24 X 24	3	33%
C	24 X 36	3	50%

PORTLAND (PRE-PACKAGED 4-PIECE)



Module	Size (in)	Pcs required	Coverage
A	12 X 12	4	11%
B	12 X 24	2	11%
C	24 X 24	4	44%
D	24 X 36	2	33%

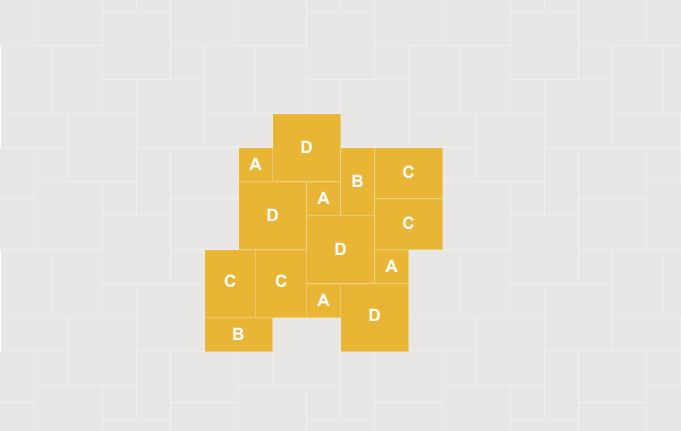
RICHMOND (PRE-PACKAGED 3-PIECE)



Module	Size (in)	Pcs required	Coverage
A	12 X 24	3	17%
B	24 X 24	3	33%
C	24 X 36	3	50%

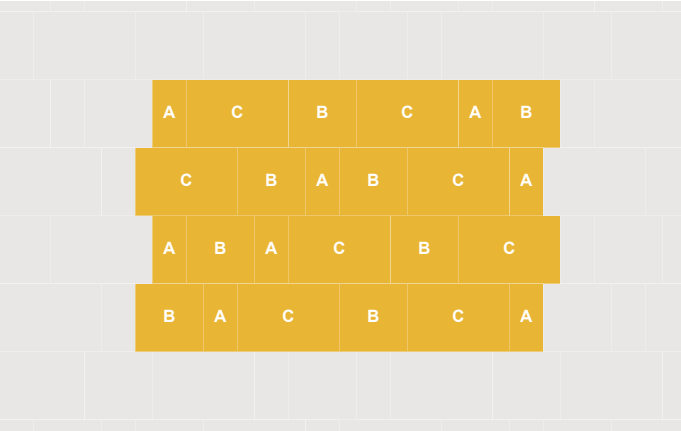
PAVER LAYOUT DESIGNS

SAVANNAH



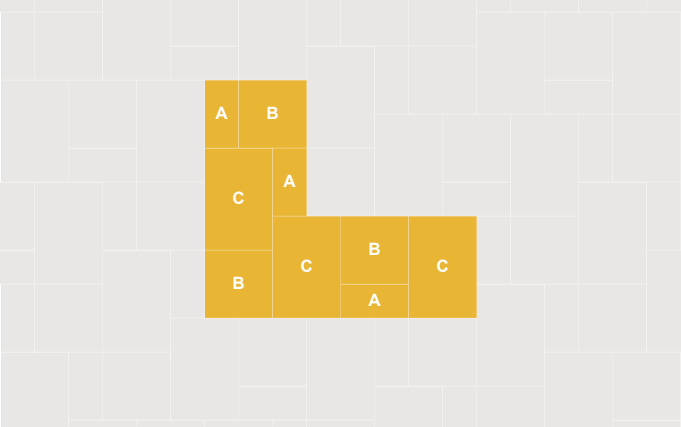
Module	Size (in)	Pcs required	Coverage
A	12 X 12	4	11%
B	12 X 24	2	11%
C	18 X 24	4	33%
D	24 X 24	4	44%

VINEYARD (PRE-PACKAGED 3-PIECE)



Module	Size (in)	Pcs required	Coverage
A	12 X 24	8	17%
B	24 X 24	8	33%
C	24 X 36	8	50%

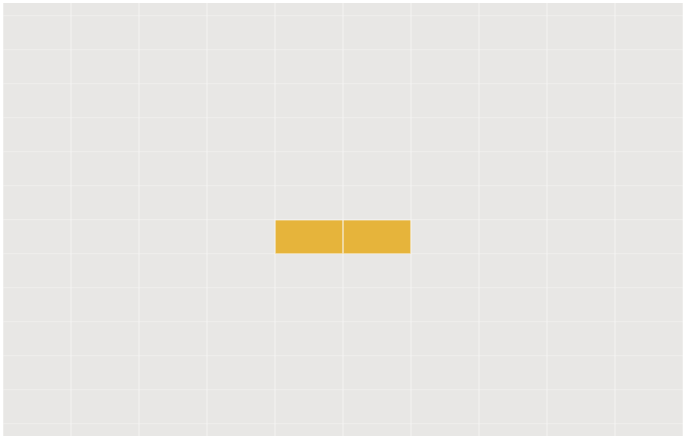
WINDSOR (PRE-PACKAGED 3-PIECE)



Module	Size (in)	Pcs required	Coverage
A	12 X 24	3	17%
B	24 X 24	3	33%
C	24 X 36	3	50%

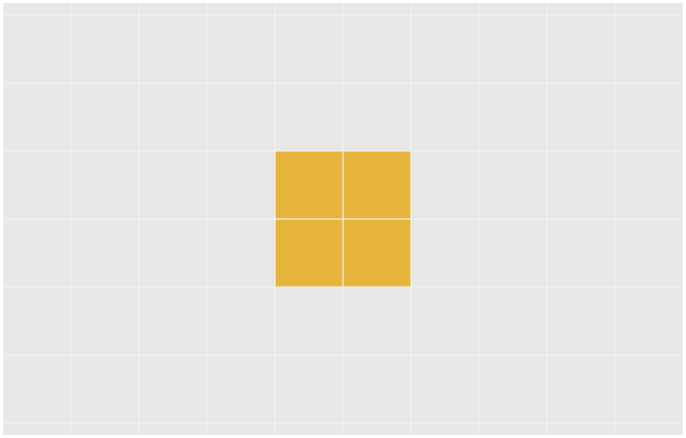
PAVER LAYOUT DESIGNS

STACKED BOND 12 X 24



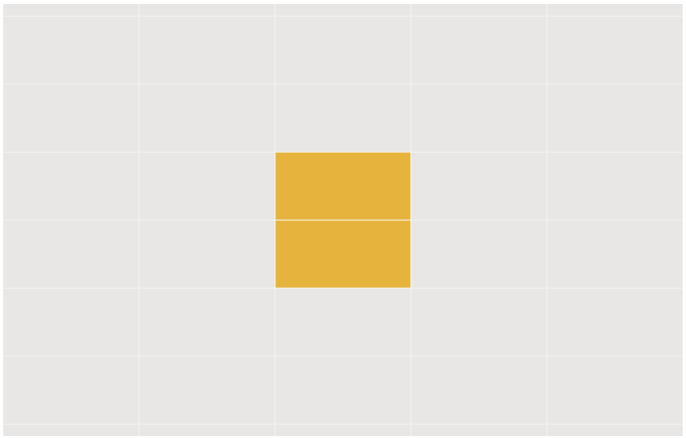
Module	Size (in)
A	12 X 24

STACKED BOND 24 X 24



Module	Size (in)
A	24 X 24

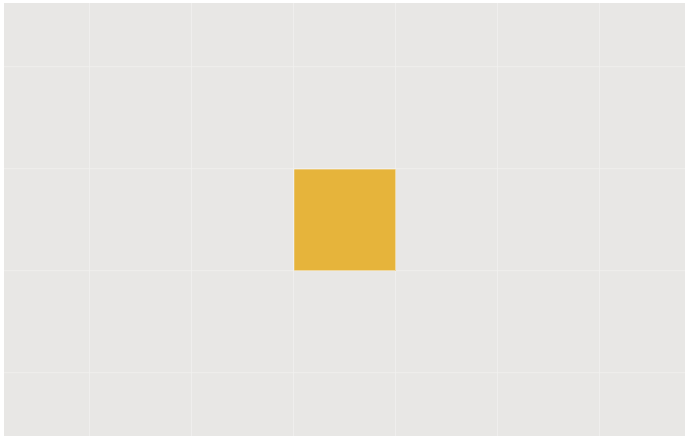
STACKED BOND 24 X 48



Module	Size (in)
A	24 X 48

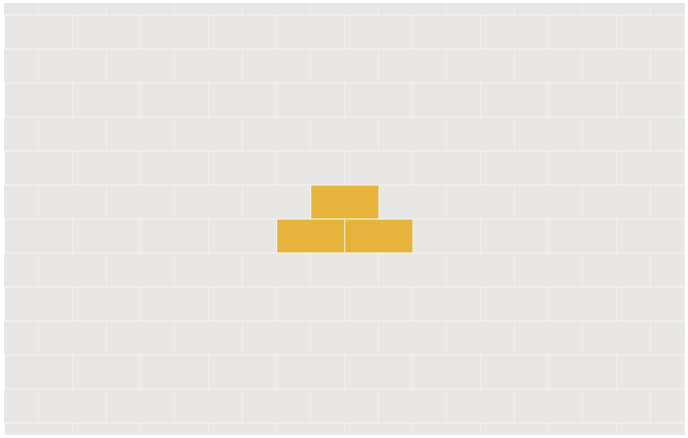
PAVER LAYOUT DESIGNS

STACKED BOND 36 X 36



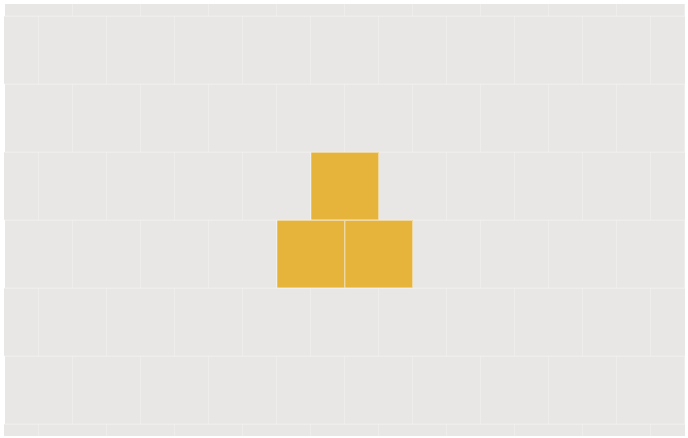
Module	Size (in)
A	36 X 36

HALF-RUNNING BOND 12 X 24



Module	Size (in)
A	12 X 24

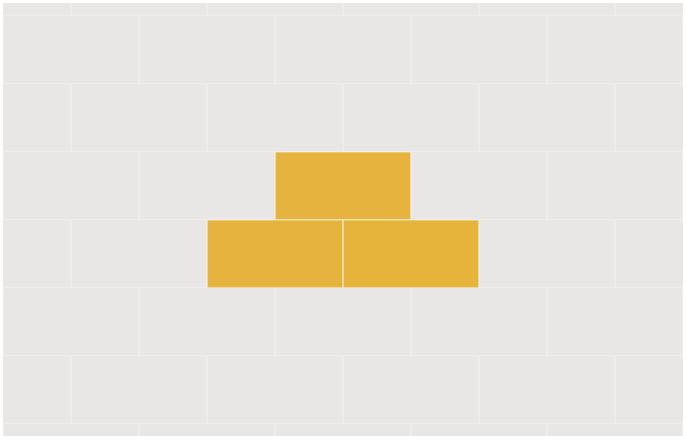
HALF-RUNNING BOND 24 X 24



Module	Size (in)
A	24 X 24

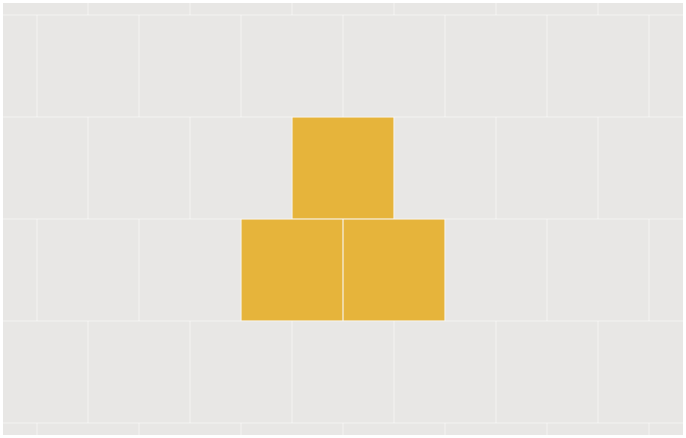
PAVER LAYOUT DESIGNS

HALF-RUNNING BOND 24 X 48



Module	Size (in)
A	24 X 48

HALF-RUNNING BOND 36 X 36



Module	Size (in)
A	36 X 36

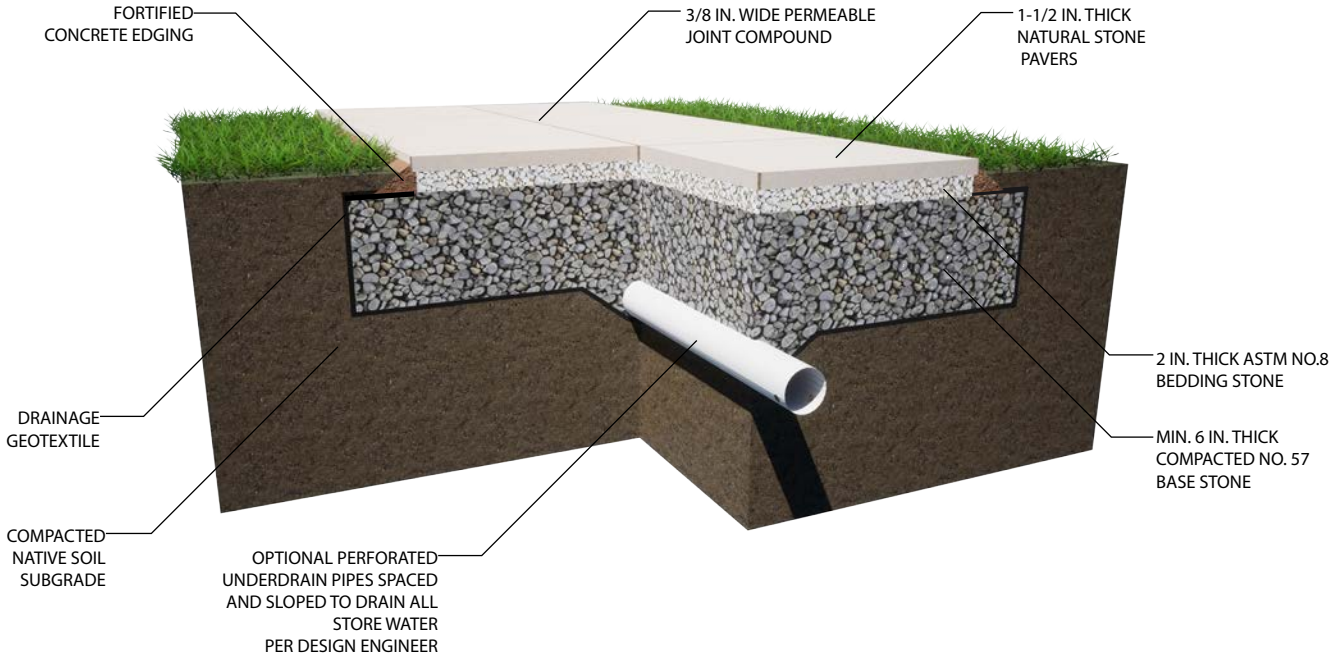
PAVERS
INSTALLATION GUIDE

INDIANA LIMESTONE - FULL COLOR BLEND™
Pavers

STEP-BY-STEP INSTRUCTIONS

NOTE

This installation guide describes the construction of a pedestrian paved surface with natural stone pavers placed on a permeable, open-graded crushed stone bedding layer and over an open-graded base.



JOB PLANNING

Before commencing any paver installation work, the location of underground utilities must first be determined on the job site, prior to excavation, by contacting local utility companies to mark locations on site. Identify the area to be excavated and mark out with spray paint. Calculate the total coverage area and allow a percentage of wastage when ordering materials. As a result of cutting wastage, consider ordering up to an additional 10% of materials to complete the project.

PAVERS
INSTALLATION GUIDE

DELIVERY, STORAGE, AND HANDLING
Comply with ordering instructions and lead-time requirements to avoid construction delays. Store materials in protected area such that they are kept free from mud, dirt, and other foreign materials. All products must be inspected on arrival. In the unlikely event that material is delivered in less than satisfactory condition, please refer to your dealer immediately, allowing time for faulty material to be replaced.

SOIL CONSIDERATIONS
Gradation of soil on site is an important consideration when determining the performance criteria required for paving. The size and distribution of the particle size greatly influences its performance. Soils range from coarse to fine grained with sandy soils being coarse and clay soils having the smallest or finest particles, thereby making them less permeable.. Perform soil tests to guide base compositions and preparations. ASTM D422, Standard Test method for Particle Size Analysis of Soil Fines is commonly used for sieve analysis of soils. ASTM C136, Standard Test Method for Seive Analysis of Fine and Coarse Aggregates is common for aggregates.

LAYOUT AND SITE PREPARATION
Excavate unsuitable, unstable, or unconsolidated subgrade material as dictated by soil classification on jobsite and compact the cleared area using fill. Level with densely graded crushed stone aggregate suitable for subbase material, or as otherwise directed by Specifying Authority.

EXCAVATION
Always call any local utilities to ensure your work area is clear of any underground cables or wires before you dig. Consult with local utilities about options for moving services, if necessary. Begin excavating down to an 8" - 10" depth. It is recommended to have a base of at least 6" – 8" minimum thickness for a walkway or patio. Ensure that a 3⁄16" per foot slope is maintained during excavation away from the foundation for proper drainage. This slope will be used throughout the whole installation. Extend the excavation beyond the paver edge by the thickness of the base. Ensure proper compaction of the soil. Cover the bottom of the excavation with a geotextile membrane to keep the subsoil and the stone layer separated.

BASE
Open-graded base, typically ASTM No. 57 stone (¾" clean, washed stone). MIN. 6" or 150 mm thick. Moisten, spread, and compact the No. 57 base layer in 4" lifts. This aggregate base uses angular and symmetrical aggregates with no fine particles. When compacting an open-graded base, it's important to make sure that the aggregates are tightly locked together. In low infiltration soils or installations with impermeable liners, some or all drainage is directed to an outlet via perforated underdrain pipes put in place per the drawings prior to or during placement of the base, depending on their location. Care must be taken not to damage underdrain pipes during compaction and paving.

SETTING BED
Open-graded crushed stone bedding layer, typically ASTM No. 8 stone or No. 9 (⅜ in. to ¼ in. clean, washed stone). 2" or 50 mm thick. Moisten, spread, compact and screed the No. 8 stone bedding material

PAVERS
INSTALLATION GUIDE

maintaining a consistent 2" thickness. Fill voids left by removed screed rails with No. 8 stone. Do not subject screeded bedding material to any pedestrian traffic before the installation of the paving unit.

LAYING PAVERS
There are different variations and colors with natural stone providing a unique range that you just can't get with an engineered product. Work out of multiple pallets to blend the stones effectively in the installation.

Lay the paving units in the patterns dictated by the design. Use ⅜" width spacers between paver edges to maintain straight pattern lines. Fill gaps at the edges of the paved area with cut units. Cut natural stone pavers with a masonry saw using a diamond blade. Always make sure to use safety glasses and hearing protection. Ensure that the blade used on the saw has sufficient depth-of-cut for your application. After the pavers are laid, remove excess aggregate on the surface by sweeping pavers clean. Check final elevations for conformance to the drawings. We do not recommend using a vibratory plate compactor on any natural stone pavers.

JOINT COMPOUND
Fill the opening and joints with a permeable joint compound following the manufacturer's application process and guidelines. Please note that some jointing compounds can retain moisture, damage, or stain natural stone pavers if they are not used correctly. Always seek specialist advice from your Polycor sales representative if you are in doubt. It is your responsibility to determine if the permeable joint compound you selected can be used for the intended purpose. When in doubt test in an inconspicuous area beforehand hand to determine if there is any change to the stone's appearance.

EDGE RESTRAINTS
Permeable projects require special edge restraints. To complete the project, use a permeable fortified concrete bonded edging. Fortified concrete edging can be applied just under the pavers, then hand-troweled to the wedge shape for a successful edge on permeable base projects. Please note that some concrete edging can retain moisture, damage, or stain natural stone pavers if they are not used correctly, and you should always seek specialist advice from your Polycor sales representative if you are in doubt.

SEALERS
To prolong the aesthetic beauty of the original installation, it may be decided to apply an impregnating sealer coating to the paved surface. While it is not a requirement to seal natural stone, an impregnating sealer application may aid in cleaning the surface should it become dirty. Please note that some topical sealers and other materials can damage or stain natural stone pavers if they are not used correctly. Always seek specialist advice from your Polycor sales representative if you are in doubt. It is your responsibility to determine if the sealer you selected is suitable for natural stone. Test in an inconspicuous area first before applying and use in accordance with the manufacturer's recommendations.

EFFLORESCENCE
Some natural stone pavers may experience efflorescence when in contact with joint compounds, bedding and fortified concrete edging. Efflorescence will disappear naturally over time, provided that the moisture source is eliminated or controlled. For additional information, consult our Care and Maintenance guide.

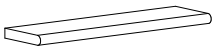
POOL COPING
PRODUCT DATA SHEET

Scan me for more info.

BETHEL WHITE® granite
Pool coping

A complement to the surrounding landscape, natural stone pool coping is as practical as it is attractive. Natural stone is durable and resists freeze-thaw cycles.

BULL-NOSED EDGE

Shape	Dimensions	Thickness
	13 ⅛" X 48"	2 ¼"

CHAMFERED EDGE

Shape	Dimensions	Thickness
	12" X 24"	2 ¼" Limestone 2" Granite 2" Marble
	16" X 24"	2 ¼" Limestone 2" Granite 2" Marble

STONE

INDIANA LIMESTONE - FULL COLOR BLEND™
Smooth top, Sawn sides

STONES

INDIANA LIMESTONE - FULL COLOR BLEND™
Smooth top, Sawn sides

INDIANA LIMESTONE – FOSSIL BEIGE™
Smooth top, Sawn sides

BETHEL WHITE® granite,
Thermal top, Sawn sides

EASTERN GRAY™ granite,
Thermal top, Sawn sides

SAINT HENRY BLACK™ granite, Thermal top, Sawn sides

GEORGIA MARBLE™ - PEARL GREY
Sandblasted top, Sawn sides

POOL COPING
PACKAGING INFORMATION

THIN VENEER

Products	Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
Bull-nosed edge	13 1/8" X 48"	2 1/4"	48 ln.ft	12	1,478	N/A	N/A
Chamfered edge	12" X 24"	2 1/4" Limestone 2" Granite & Marble	48 ln.ft	24	1,356	1,375 - 1,478	1,475
	16" X 24"	2 1/4" Limestone 2" Granite & Marble	48 ln.ft	24	1,788	1,814 - 1,950	1,867

Steps & Treads

STEP UP OUTDOOR SPACES WITH NATURAL STONE.
Nothing compares to the classic beauty and durability of natural stone steps and treads.

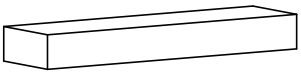
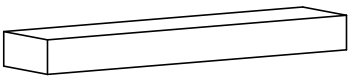
7" STEPS & FILLERS
PRODUCT DATA SHEET

Scan me for more info.

SAINT HENRY BLACK™ granite
Entry steps

Transform a simple doorway into an entrance with 7" natural stone steps. Available in various sizes, they are suitable to many design aesthetics and lend a unique, high-end look to any entrance.

16" STEPS

Shape	Dimensions	Thickness
	16" X 36"	7"
	16" X 48"	7"
	16" X 60"	7"
	16" X 72"	7"

FILLERS

Shape	Dimensions	Thickness
	6" X 14"	7"
	6" X 28"	7"

STONES

NEW  **INDIANA LIMESTONE - FULL COLOR BLEND™**, Smooth top, Split-face

NEW  **BETHEL WHITE®** granite, Thermal top, Split-face

NEW  **EASTERN GRAY™** granite, Thermal top, Split-face

NEW  **CALEDONIA™** granite Thermal top, Rock-face

 **SAINT HENRY BLACK™**, granite Thermal top, Thermal sides

7" STEPS & FILLERS
PACKAGING INFORMATION

16" STEPS						
Products	**Size**	**Thickness**	**Quantity per crate**	**Units per crate**	**Weight per crate (Lbs)**	
					Limestone	Granite
3 ft.	16" X 36"	7"	24 ln.ft	8	2,748	3,129 - 3,368
4 ft.	16" X 48"	7"	24 ln.ft	6	2,748	3,129 - 3,368
5 ft.	16" X 60"	7"	30 ln.ft	6	3,420	3,896 - 4,195
6 ft.	16" X 72"	7"	24 ln.ft	4	N/A	3,129 - 3,368
FILLERS						
14"	6" X 14"	7"	32.7 ln.ft	28	1,432	1,626 - 1,748
28"	6" X 28"	7"	32.7 ln.ft	14	1,432	1,626 - 1,748

7" STEPS
INSTALLATION GUIDE

TRANSFORM A DOOR INTO AN ENTRANCE WITH 7" NATURAL STONE STEPS

Installation instructions for (3) 7" X 16" X 48" split-face granite steps and fillers

1. Begin with a properly prepared base / pad area (see Concrete Pad Preparation Guide or Gravel Pad Preparation Guide)

    a. Ensure that all dimensions of the pad are correct for the set of steps being installed.

    b. Concrete pad should be a minimum of 4' left to right, and 3'-8" front to back. A gravel pad needs 6" added to the front, left, and right of the 4' x 3'-8" step set requirement to ensure no settling of aggregate during the step installation (overall finished pad size: 5' left to right, and 4'-2" front to back).

    c. The concrete or gravel pad should be centered on the door.

    d. Establish a height of 28" from top of pad to top of door threshold, since it is preferable to maintain a consistent 7" step height for each layer, all the way up and into the house.

2. The following is the procedure used for installing a granite step set

    a. Measuring early and often throughout the process is a crucial part of the installation process in order to ensure that all components fit properly at each level

    b. Verify the measurements of all of the steps and step fillers before beginning the installation. Granite is a natural material, and can have slight variations in thickness.

    c. If there are differences in thickness it is recommended to reserve these step and step fillers pieces for the bottom layer, as this is the best location to make adjustments and not have any shim work show in the finished product.

    d. Begin by setting the longest pair of step fillers (2'-4" in this case), and place them onto the concrete or gravel pad perpendicular to the home foundation, leaving a slight gap between the back end of the step filler and the home's foundation. This gap will be the same depth as the kickplate mounted

7" STEPS
INSTALLATION GUIDE

to the foundation, located below the door threshold at the top of the steps. When the final top step is placed, the back of the top step will then butt up against the kickplate and also be flush with the step fillers below it.

e. Evenly space the filler pieces so that the measurement from the split-face edge to the one oposite is equal and equivalent to the length of the step which is to be installed on top (4').

f. Once complete, set one of the 4' steps flat on the concrete or gravel pad, directly in front of the two step fillers. Align it so that the outside edges of the step are flush with the outside edges of the fillers.

g. As long as the pad area is level, it is recommended to pitch first tier away from the home in order to allow for proper water runoff. ¼" over 4' of length is sufficient.

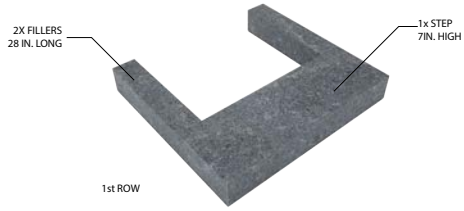
h. Due to possible variations in thickness, plastic shims (on concrete pads) or additional gravel (for gravel pads) may be required to align the height of the step with the height of the step fillers, as previously mentioned.

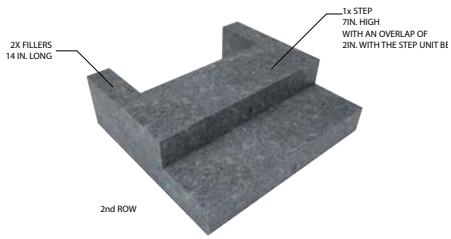
i. Once the first tier of steps and fillers is in place, properly pitched, and tested to ensure that there is no movement when walking on them, it is time to build the second tier.

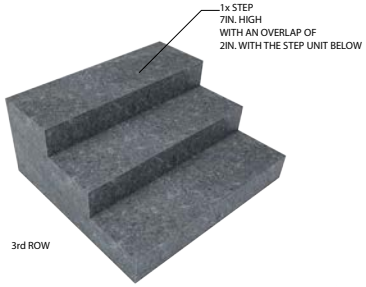
j. The second tier will use the remaining two fillers (1'-2" in length). Repeat the same procedure used for the first tier's filler pieces. Ensure they are level and place another 4' step on top. This step will overlap the step below it by two inches.

k. If shim work is required, it is recommended to place shims towards the inside of the filler or step edges so that they won't be visible from the outside.

l. Once the step and filler pieces of the second tier have been installed and stabilized, the final top step can be placed. If the installation procedure outlined above was followed properly, the final step should be stable and not move. Should the top step have some movement, it will be necessary to use plastic shims where appropriate, preferably out of sight of the most direct access to the steps.







CONCRETE PAD
PREPARATION GUIDE

FOR INSTALLATION OF GRANITE STEPS

NECESSARY TOOLS

- Rake
- Shovel
- Hand Tamper
- 4' Level
- Ready Mix Concrete
- 2" X 4" X 8' and 2" X 6" X 8'

HELPFUL TOOLS

- Pick
- Wheelbarrow
- Gas Operated Plate Compactor

MATERIALS

TYPE

Ready Mix concrete is typically a pre-blended mix of fine and coarse aggregate and Type 10 Portland cement. Please review the manufacturer's instructions for volume specific information and mixing instructions.

DIMENSIONS

Length of Pad = A	☐	inches (left to right)
Width of Pad = B	☐	inches (front to back)
Depth of Pad = C	☐	inches (top to bottom)

For depth dimension ONLY take the depth of your pad and divide by 12. For example, a 6" pad would be listed as $^{6}/_{12}$ or $^{1}/_{2}$.

CALCULATE MATERIAL NEEDED

To calculate approximate material needs, multiply A X B X C and divide by 144 to obtain cubic feet. For example, material for a 48" X 44" X 6" pad would be calculated as (48" X 44" X $^{1}/_{2}$')/144 which would equal 7.33 cubic feet.

CONCRETE PAD
PREPARATION GUIDE

FOR INSTALLATION OF GRANITE STEPS

STEP 1

Excavate an area approximately 6" deep that is 2" longer (left to right) than the outside dimension of your set of steps. Make sure this area has been properly properly centered with your doorway and has been compacted prior to adding your concrete.

NOTE: It may be necessary to excavate deeper depending on existing soil conditions to insure a well compacted draining base.

STEP 2

Form up the area with 2" X 6 wood boards to create a box at the appropriate height from the top of the threshold. Theses must be level from left to right and from front to back.

STEP 3

After slightly overfilling your form with concrete, use a 2" X 4" in a side-to-side sawing motion to screed off any excess using the top of your form as a guide. After the concrete has hardened the wood forms can be removed.

STEP 4

Granite steps must be professionally installed and always require a prepared base.

See your local Polycor dealer for more information.

GRAVEL PAD
PREPARATION GUIDE

FOR INSTALLATION OF GRANITE STEPS

NECESSARY TOOLS

- Rake
- Shovel
- Hand Tamper
- 4' Level
- 2" X 4" X 8'

HELPFUL TOOLS

- Pick
- Wheelbarrow
- Gas Operated Plate Compactor

MATERIALS

TYPE

Processed gravel, also known as driveway base, ¾" or 1" base or crushed bank run contains the appropriate amounts of crushed stone, sand and other fine materials to create excellent compaction. Please note that pea stone, small crushed stone, and sand do not compact well and may shift or wash out.

DIMENSIONS

Length of Pad = A ☐ inches (left to right)
Width of Pad = B ☐ inches (front to back)
Depth of Pad = C ☐ inches (top to bottom)

For depth dimension ONLY take the depth of your pad and divide by 12. For example, a 6" pad would be listed as ⁶⁄₁₂ or ¹⁄₂.

CALCULATE MATERIAL NEEDED

To calculate approximate material needs, multiply A X B X C and divide by 144 to obtain cubic feet. For example, material for a 48" X 44" X 6" pad would be calculated as (48" X 44" X ½')/144 which would equal 7.33 cubic feet.

GRAVEL PAD
PREPARATION GUIDE

FOR INSTALLATION OF GRANITE STEPS

Very large sets of steps may require a concrete pad. See your dealer prior to preparing your base to confirm which would be best for you.

STEP 1

Excavate an area approximately 1' deep that is 6" longer (left to right) than the outside dimension of your set of steps. Make sure this area has been properly centered with your doorway and has been compacted prior to adding your processed gravel.

NOTE: It may be necessary to excavate deeper depending on existing soil conditions to insure a well compacted draining base.

STEP 2

Using processed gravel, fill the excavated area with 3" - 4" layers, compacting each layer as you go. A gas operated plate compactor works very well. If a compactor is not available, reduce the thickness of the layers, wet down and use a hand tamper or roller to achieve compaction.

STEP 3

Compact the final layer to the level where you desire the bottom of your first step. With the help of a 2" X 4", use your 4' level to confirm that, to confirm that your base is level from both left to right and from front to back.

STEP 4

Granite steps must be professionally installed and always require a prepared base.

See your local Polycor dealer for more information.

6" LANDSCAPE STEPS
PRODUCT DATA SHEET

Scan me for more info.

INDIANA LIMESTONE - FULL COLOR BLEND™
Landscape steps

Landscape steps add a distinct sense of permanence to hardscaped areas. Create durable and timeless step elements from single pieces of natural stone.

Shape	Dimensions	Thickness
	16" X 36"	6"
	16" X 48"	6"
	16" X 60"	6"

STONES

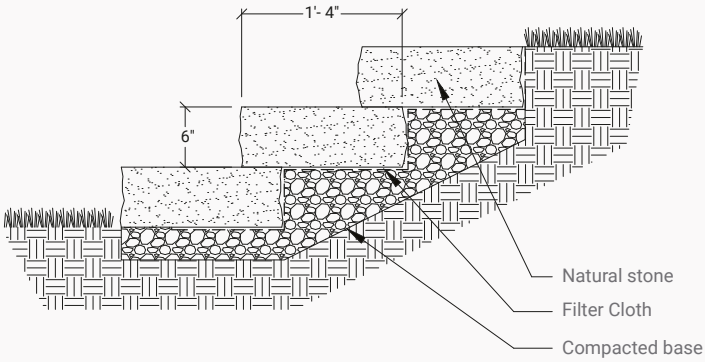
INDIANA LIMESTONE - FULL COLOR BLEND™
Smooth top, Split-face

EASTERN GRAY™ granite
Thermal top, Split-face

NEW

GEORGIA MARBLE™ - PEARL GREY
Sandblasted top, Split-face

DIAGRAM OF 6" LANDSCAPE STEPS



We recommend a minimum overlap of 1 to 3 inch for steps in your project.

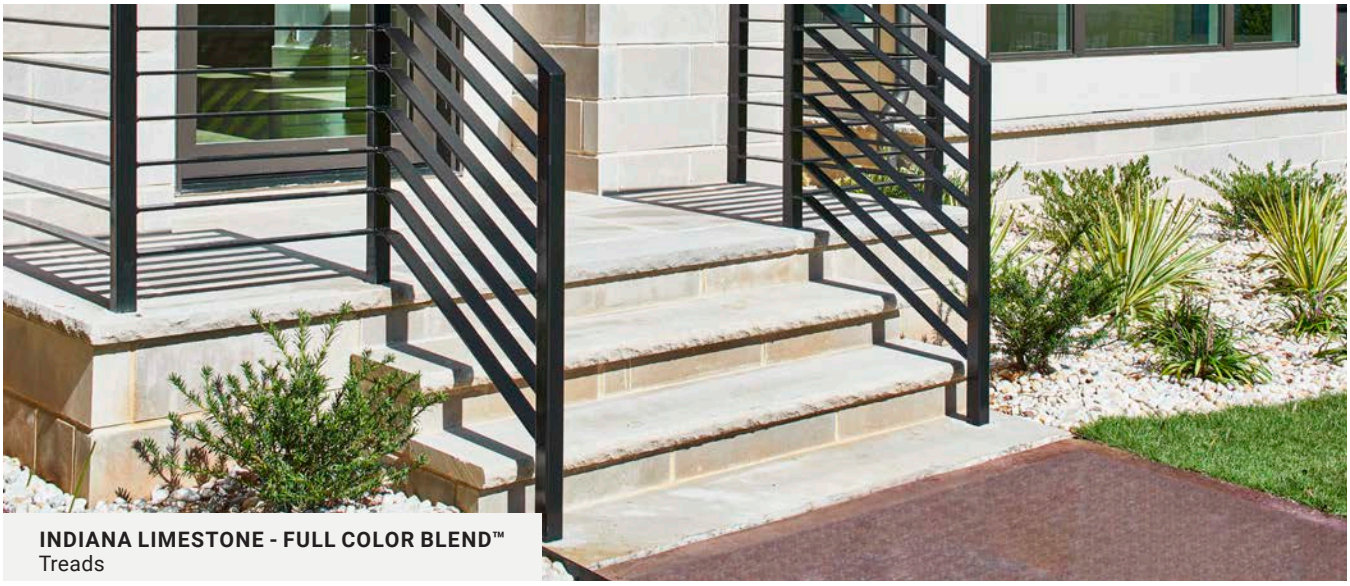
6" LANDSCAPE STEPS
PACKAGING INFORMATION

STEPS

Products	Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)		
					Limestone	Granite	Marble
3 ft.	16" X 36"	6"	18 ln.ft	6	1,728	2,040	2,124
4 ft.	16" X 48"	6"	24 ln.ft	6	2,304	2,700	2,812
5 ft.	16" X 60"	6"	30 ln.ft	6	2,880	3,360	3,500

TREADS
PRODUCT DATA SHEET

Scan me for more info.



INDIANA LIMESTONE - FULL COLOR BLEND™
Treads

Natural stone treads add a luxury finish to standard steps. They are perfectly adapted to northern climates, widely sought after for their superior strength and durability.

Shape	Dimensions	Thickness
	12" X 48"	2"
	12" X 72"	2"
	12" X 96"	2"
	14" X 48"	2"
	14" X 72"	2"
	14" X 96"	2"

Granite and marble treads are true-to-size. Limestone is one inch longer to allow for field dressing

STONES


INDIANA LIMESTONE - FULL COLOR BLEND™
Smooth top, Split-face

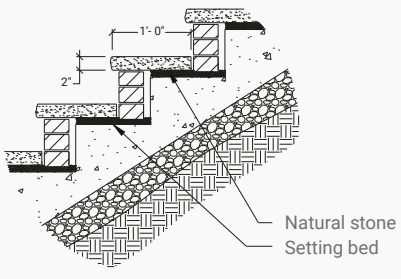

BETHEL WHITE® granite
Thermal top, Split-face


EASTERN GRAY™ granite
Thermal top, Split-face

NEW

SAINT HENRY BLACK™ granite
Thermal top, Rock-face or Thermal top, Thermal face

DIAGRAM OF TREAD INSTALLATION



TREADS
PACKAGING INFORMATION

TREADS

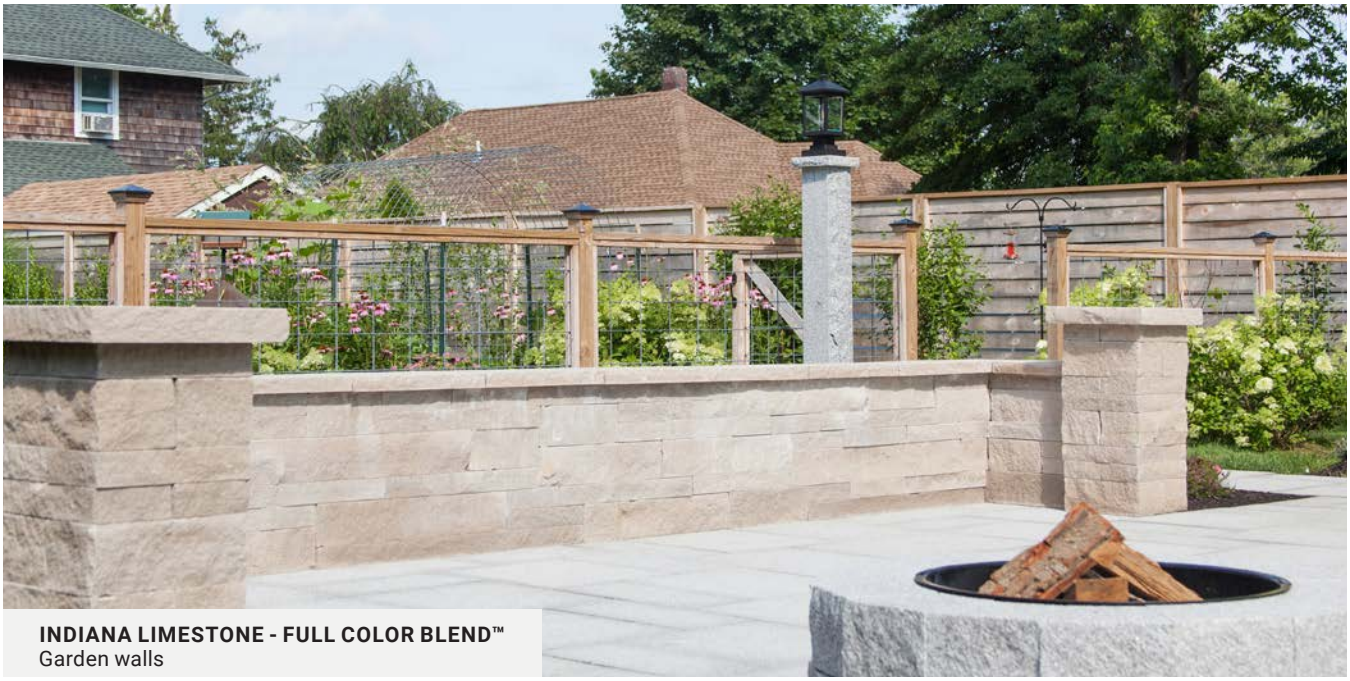
Products	Size	Thickness	Quantity per crate	Units per crate	Weight per crate (Lbs)	
					Limestone	Granite
1 ft. X 4 ft.	12" X 48"	2"	56 ln.ft	14	1,440	1,550 - 1,688
1 ft. X 6 ft.	12" X 72"	2"	84 ln.ft	14	2,160	2,320 - 2,510
1 ft. X 8 ft.	12" X 96"	2"	112 ln.ft	14	2,880	3,090 - 3,333
1.17 ft X 4 ft.	14" X 48"	2"	56 ln.ft	14	1,680	1,807 - 1,968
1.17 ft X 6 ft.	14" X 72"	2"	84 ln.ft	14	2,522	2,705 - 2,913
1.17 ft X 8 ft.	14" X 96"	2"	112 ln.ft	14	3,360	3,603 - 3,875

Walls & Caps

SET YOUR SPACE APART.
Enhance and protect your property with natural stone accents. Stone walls and caps are the perfect balance between aesthetic and performance.

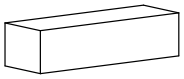
GARDEN WALLS
PRODUCT DATA SHEET

Scan me for
more info.



INDIANA LIMESTONE - FULL COLOR BLEND™
Garden walls

Garden walls can add depth to any space. This dry-stacked, non-retaining product is ideal for flower beds and landscaping elements.

Shape	Dimensions	Thickness
	8" X random length	3"
	8" X random length	6"

STONES

 **INDIANA LIMESTONE - FULL COLOR BLEND™**, Split-face

 **INDIANA LIMESTONE - FOSSIL BEIGE™**, Split-face

 **GEORGIA MARBLE™ - PEARL GREY**, Split-face

GARDEN WALLS
PACKAGING INFORMATION

GARDEN WALL							
Products	**Size**	**Depth**	**Quantity per ton**		**Units per crate**	**Weight per crate (Lbs)**	
			Limestone	Marble		Limestone	Marble
3" Height	3" X Random	8"	21 Sq.ft	18 sq.ft.	Varied	4,000 - 4,500	4,000 - 4,500
6" Height	6" X Random	8"	21 Sq.ft	18 sq.ft.	Varied	4,000 - 4,500	4,000 - 4,500

WALL CAPS
PRODUCT DATA SHEET

Scan me for more info.

INDIANA LIMESTONE - FULL COLOR BLEND™
Wall caps

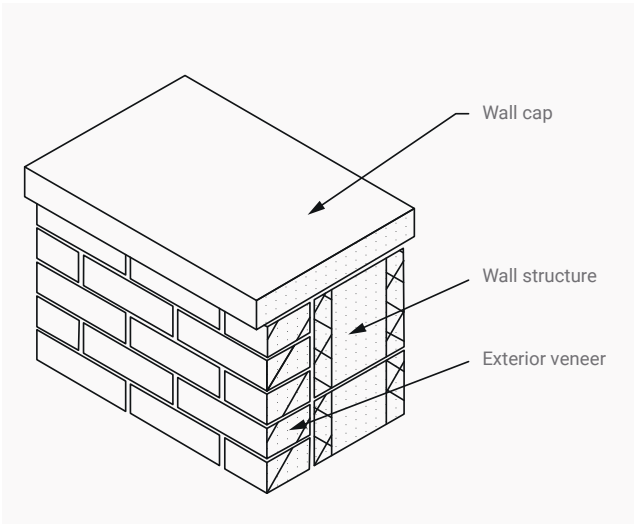
Wall caps are a unique accent piece for your garden or retaining wall. Versatile and durable, split-face wall caps provide a strong finishing touch to any stone wall design.

Shape	Dimensions	Thickness
	12" X 24"	2"

STONES

- **INDIANA LIMESTONE - FULL COLOR BLEND™**
  Smooth top, Split-face
- **INDIANA LIMESTONE - FOSSIL BEIGE™**
  Smooth top, Split-face
- **BETHEL WHITE®** granite
  Thermal top, Split-face
- **EASTERN GRAY™** granite
  Thermal top, Split-face
- NEW **SAINT HENRY BLACK™** granite
  Thermal top, Rock-face or Thermal top, Thermal face
- **GEORGIA MARBLE™ - PEARL GREY**
  Smooth top, Split-face

DIAGRAM OF WALL CAPS INSTALLATION



WALL CAPS
PACKAGING INFORMATION

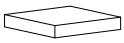
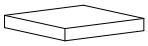
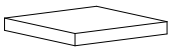
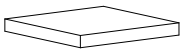
WALL CAPS							
Products	**Size**	**Thickness**	**Quantity per crate**	**Units per crate**	**Weight per crate (Lbs)**		
					Limestone	Granite	Marble
2" Wall Caps	12" X 24"	2"	108 ln.ft	54	2,632	3,010 - 3,210	3,136

PILLAR CAPS
PRODUCT DATA SHEET

Scan me for more info.

INDIANA LIMESTONE - FULL COLOR BLEND™
Pillar caps

Enhance pillars with the timeless charm of stone. Caps add the finishing touch to any vertical application project.

Shape	Dimensions	Thickness
	20" X 20"	3"
	24" X 24"	3"
	28" X 28"	3"
	30" X 30"	3"

STONES

 **INDIANA LIMESTONE - FULL COLOR BLEND™**, Smooth top, Split-face

 **INDIANA LIMESTONE - FOSSIL BEIGE™**, Smooth top, Split-face
(Only available in 24" X 24")

 **BETHEL WHITE®** granite, Thermal top, Split-face

 **EASTERN GRAY™** granite, Thermal top, Split-face

NEW  **SAINT HENRY BLACK™** granite, Thermal top, Rock-face or Thermal top, Thermal face

 **GEORGIA MARBLE™ - PEARL GREY**, Smooth top, Split-face

PILLAR CAPS
PACKAGING INFORMATION

PILLAD CAPS

Products	Size	Thickness	Units per crate	Weight per crate (Lbs)		
				Limestone	Granite	Marble
20" Pillar Caps	20" X 20"	3"	12	1,233	1,408 - 1,513	1,466
24" Pillar Caps	24" X 24"	3"	12	1,761	2,013 - 2,160	2,097
28" Pillar Caps	28" X 28"	3"	12	2,385	2,728 - 2,913	2,842
30" Pillar Caps	30" X 30"	3"	12	2,733	3,127 - 3,350	3,258

Outdoor Elements

A TOUCH OF STONE FOR A FINISHED LOOK.
Turn your backyard into a four-season outdoor living room with fire pits and ornamental benches. Increase the value and curb appeal of front elevations with granite posts, an ideal way to add elegant lighting to driveways and walkways.

ROUND FIRE PITS
PRODUCT DATA SHEET

Scan me for more info.

EASTERN GRAY™ granite
Round fire pit

Instantly create a place to entertain with a fire pit kit. Solid granite blocks are easy for both contractors and homeowners to assemble in an afternoon.

Dimensions

Two-tier fire pit with ring (cooking grate included).
Outside diameter: 48"
Inside diameter: 30"

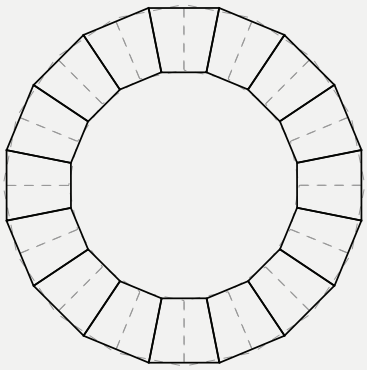
STONE

EASTERN GRAY™ granite, Thermal top, Split-face sides

Powder coat finish metal components will provide many years of use with routine maintenance and upkeep.

ROUND FIRE PITS
PACKAGING INFORMATION

ROUND FIRE PITS				
Products	**Size**	**Height**	**Units per crate**	**Weight per crate (Lbs)**
				Granite
Pre-packaged Round fire pit with ring and cooking grate	48" Outside diameter 30" Inside diameter	14"	32 stones	1,691



SQUARE FIRE PITS
PRODUCT DATA SHEET

Scan me for more info.

EASTERN GRAY™ granite
Square fire pit

Safe and durable, square fire pits are suitable to a variety of design styles. Sleek and modern, they will enhance any outdoor space. Pick it up in the morning and you will be roasting s'mores by dusk.

SQUARE FIRE PIT

Sold in an easy-to-install 21-piece kit.
Metal insert included.

Dimensions	Height
43" X 43"	14"

XL SQUARE FIRE PIT

Sold in a 5-piece kit.
Metal insert included.

Dimensions	Height
43" X 43"	16"

STONES

EASTERN GRAY™ granite
Thermal top, Split-face sides

SAINT HENRY BLACK™ granite
Thermal top, Thermal sides

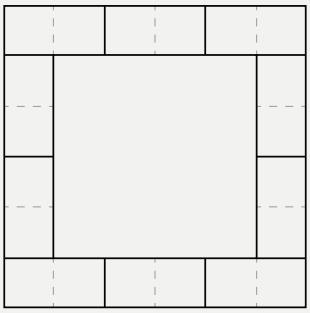
STONE

SAINT HENRY BLACK™ granite
Thermal top, Thermal sides

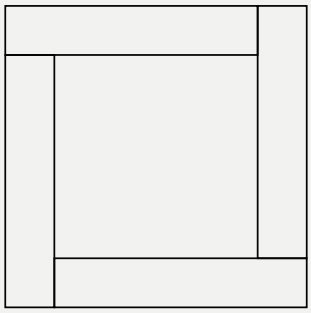
Powder coat finish metal components will provide many years of use with routine maintenance and upkeep.

SQUARE FIRE PITS
PACKAGING INFORMATION

SQUARE FIRE PITS				
Products	**Size**	**Height**	**Units per crate**	**Weight per crate (Lbs)**
				Granite
Pre-packaged Square fire pit with ring	43" X 43"	14"	32 stones	1,538 - 1,638
Pre-packaged XL square fire pit with ring	43" X 43"	16"	4 stones	1,848



SQUARE FIRE PIT



XL SQUARE FIRE PIT

RECTANGULAR FIRE PITS
PRODUCT DATA SHEET

Scan me for more info.

EASTERN GRAY™ granite
Rectangular fire pit

Ideally suited for larger outdoor spaces, these contemporary fire pits will embellish your backyard with casual elegance. Each kit contains 21 pieces and can be assembled easily. Metal insert included.

Dimensions	Height
28 ½" X 57 ½"	14"

STONES

EASTERN GRAY™ granite, Thermal top, Split-face sides

SAINT HENRY BLACK™ granite, Thermal top, Thermal sides

Powder coat finish metal components will provide many years of use with routine maintenance and upkeep.

RECTANGULAR FIRE PITS
PACKAGING INFORMATION

ROUND FIRE PITS				
Products	**Size**	**Height**	**Units per crate**	**Weight per crate (Lbs)**
				Granite
Pre-packaged Rectangle fire pit with ring	28 ½" X 57 ½"	14"	20 stones	1,538 - 1,638

ROUND FIRE PIT
INSTALLATION GUIDE

STEP-BY-STEP INSTRUCTIONS

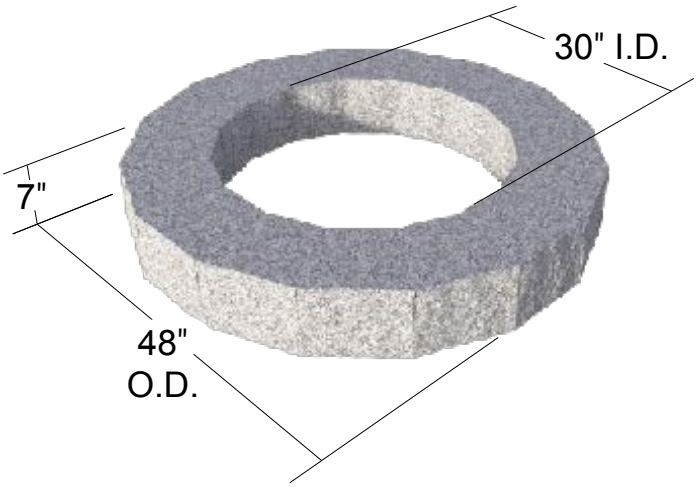
These simple step-by-step instructions will make assembling your fire pit easy and accurate.

1. Excavate a circular area approximately 4'-6" in diameter and at least 6" in depth. Fill with processed gravel or mason sand, compacting until level. Dig a hole in the center of this circle approximately 12" in diameter and 24" deep and fill it with crushed stone. This will allow for proper drainage.
    a. If you are building your fire pit on top of a solid surface, such as a patio with stone pavers, remove the pavers in the middle of the circle to dig the required hole, then pitch the remaining pavers that are within the circle toward the hole for proper drainage.
2. Since granite is a natural material, the fire pit blocks may vary in thickness, which is well within the standard industry guidelines for cut granite products.
    a. Before moving on to step 3, sort through the blocks and make groups of 16 that have a similar thickness. Reserve the most consistent blocks for use as your middle and/or top layers. Use the most inconsistant blocks as the bottom layer so that you can adjust the gravel to create a level surface.
    b. It may be necessary to shim certain layers for them to remain level. We recommend thin plastic shims.
3. Using the metal ring as a guide, place 16 granite fire pit blocks around the ring, which will create a 30" inside diameter circle. Adjust the fire pit blocks as needed so that they are tight together, and level. Remove the metal ring.
4. Install the second layer of fire pit blocks on top of the first layer, overlapping blocks as you go to form a solid bond. Install the metal fire ring into this second layer to ensure that you have a good tight fit.
5. Fill the interior of the fire pit with processed gravel or mason sand. Compact the layers of gravel every four inches, until you reach the bottom of the flange of the metal ring. Readjust stones as needed to create a good fit.
6. For added stability, you can use landscape adhesive to adhere the top row of blocks to the row below it.
7. Light a fire* and enjoy your quality fire pit from Polycor!

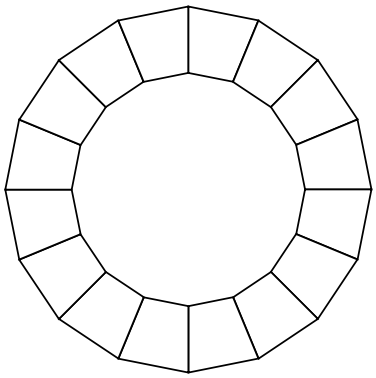
* Never use gasoline or other accelerants to start the fire.
Our granite blocks are protected with sand and the metal fire ring, but keep your fire small, as large fires and intense heat may cause the granite blocks to spall or crack.
Always attend the fire, and have a hose or bucket of water nearby for emergencies.
When you are finished enjoying your fire, be sure to fully extinguish it.
Do not leave children unattended around open flames or hot embers.
Never throw foreign objects into the fire.

ROUND FIRE PIT
INSTALLATION GUIDE

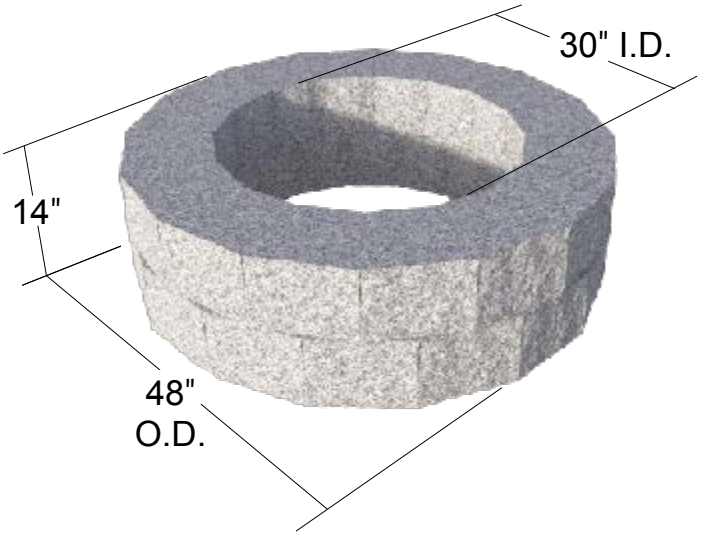
STEP 1: First Row



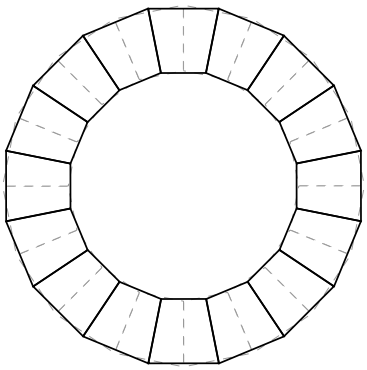
16 pcs



STEP 2: Second Row



Tapered Block
16 pcs

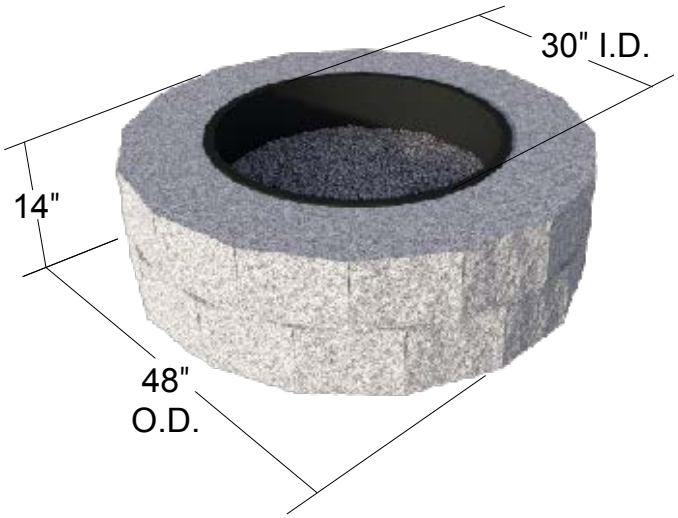


ROUND FIRE PIT
INSTALLATION GUIDE

STEP 3: Metal Insert

Metal insert
1 pc

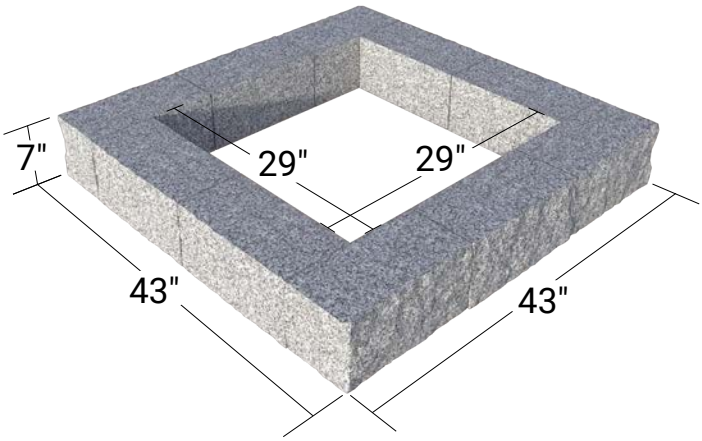
STEP 4: Gravel

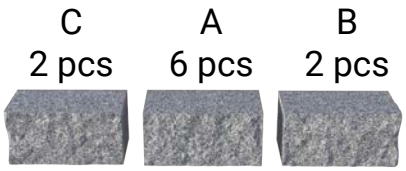


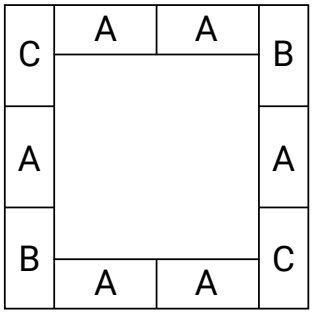
SQUARE FIRE PIT
INSTALLATION GUIDE

Refer to the Round Fire Pit Installation Guide to prepare the base before installing your square fire pit.

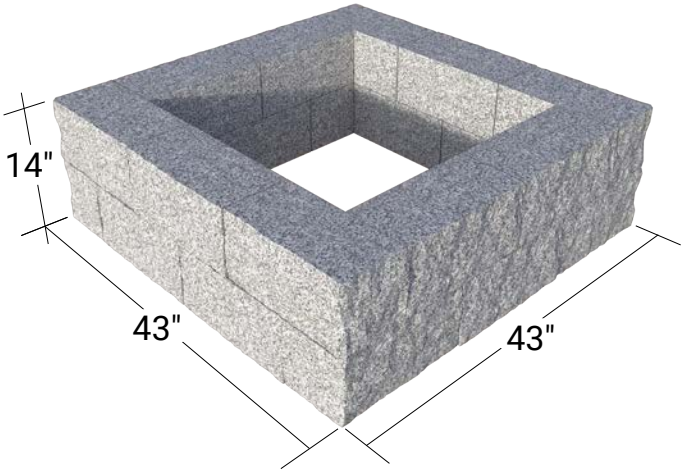
STEP 1: First Row

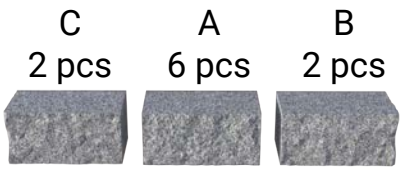


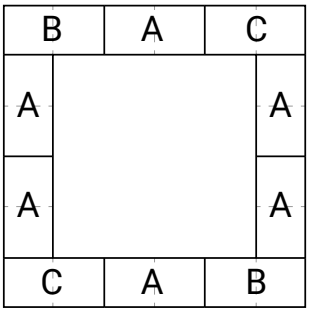




STEP 2: Second Row





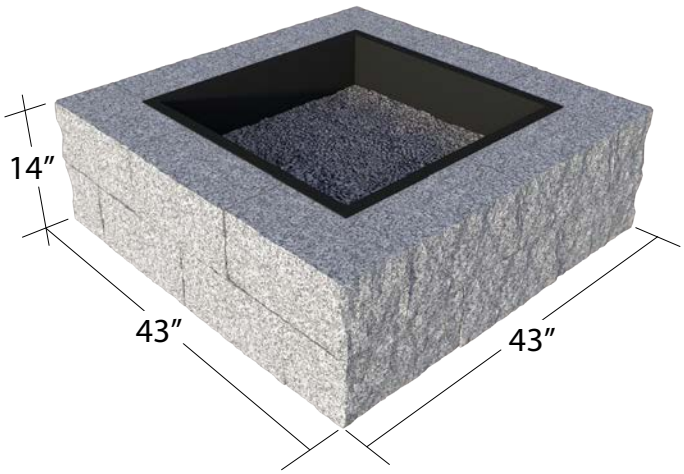


SQUARE FIRE PIT
INSTALLATION GUIDE

STEP 3: Metal Insert

Metal insert
1 pc

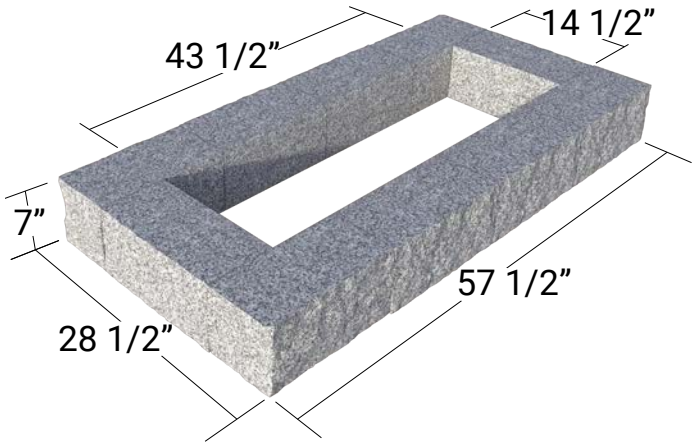
STEP 4: Gravel

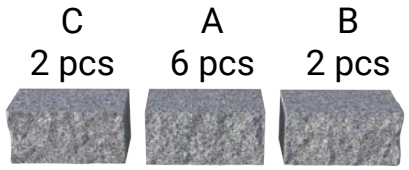


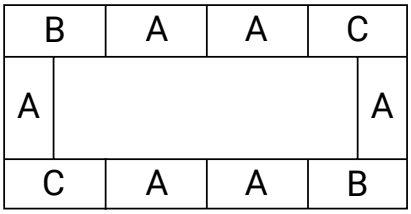
RECTANGULAR FIRE PIT
INSTALLATION GUIDE

Refer to the Round Fire Pit Installation Guide to prepare the base before installing your rectangular fire pit.

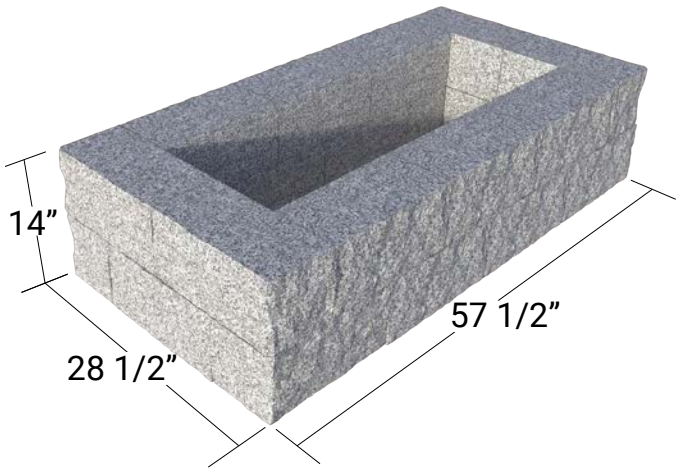
STEP 1: First Row

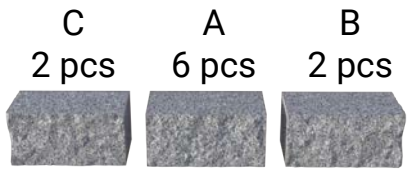


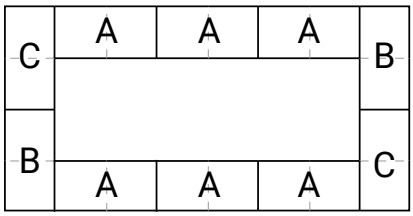




STEP 2: Second Row





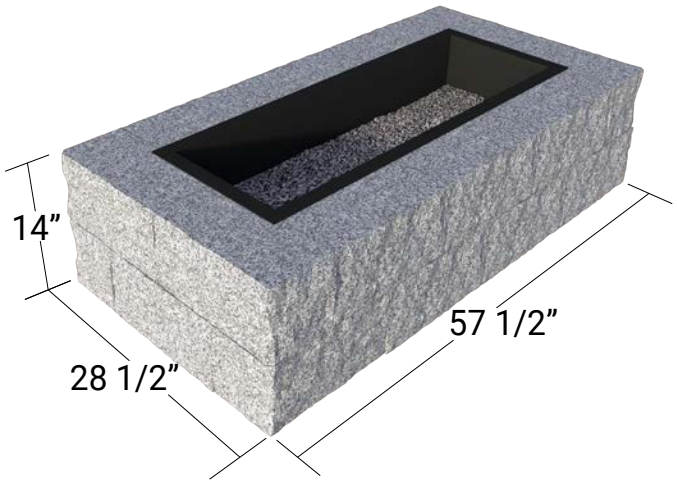


RECTANGULAR FIRE PIT
INSTALLATION GUIDE

STEP 3: Metal Insert

Metal insert
1 pc

STEP 4: Gravel



BENCHES
PRODUCT DATA SHEET

Scan me for more info.

INDIANA LIMESTONE - FULL COLOR BLEND™
Bench

Whether it is meant for practical or ornamental use, a natural stone bench will add an interesting feature to a garden landscape in every season.

Stones	Height	Depth	Width
INDIANA LIMESTONE - FULL COLOR BLEND™	18"	48"	18"
EASTERN GRAY™ granite	18"	48"	14"
GEORGIA MARBLE™ - PEARL GREY	17"	36"	13"

STONES

INDIANA LIMESTONE - FULL COLOR BLEND™, Smooth top, Split-face sides

EASTERN GRAY™ granite, Thermal top, Split-face sides

GEORGIA MARBLE™ - PEARL GREY, Smooth top, smooth sides

BENCHES
PACKAGING INFORMATION

BENCHES				
Products	**Size**	**Height**	**Units per crate**	**Weight per crate (Lbs)**
Pre-packaged Limestone Bench	18" X 48"	18"	1 kit	Limestone: 650
Pre-packaged Granite Bench	14" X 48"	18"	1 kit	Granite: 300
Pre-packaged Marble Bench	13" X 36"	17"	1 kit	Marble: 371

LAMP POSTS
PRODUCT DATA SHEET

Scan me for more info.

EASTERN GRAY™ granite
Lamp post

Easily installed, granite posts and caps create an elegant, durable base for lighting. Each post comes pre-drilled for wiring and ready to install mounting hardware and your lamp fixture.

Height	Width	Length
96"	7"	7"

Lamp fixture not included. Must be installed by a professional

LAMP POST CAPS

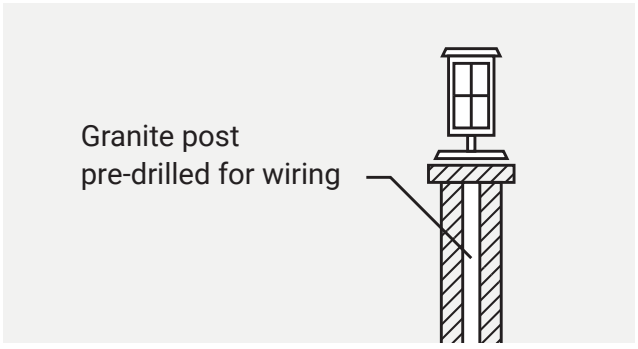
Lamp post caps are rock-face on all four sides.

Height	Width	Length
2"	10"	10"

STONE

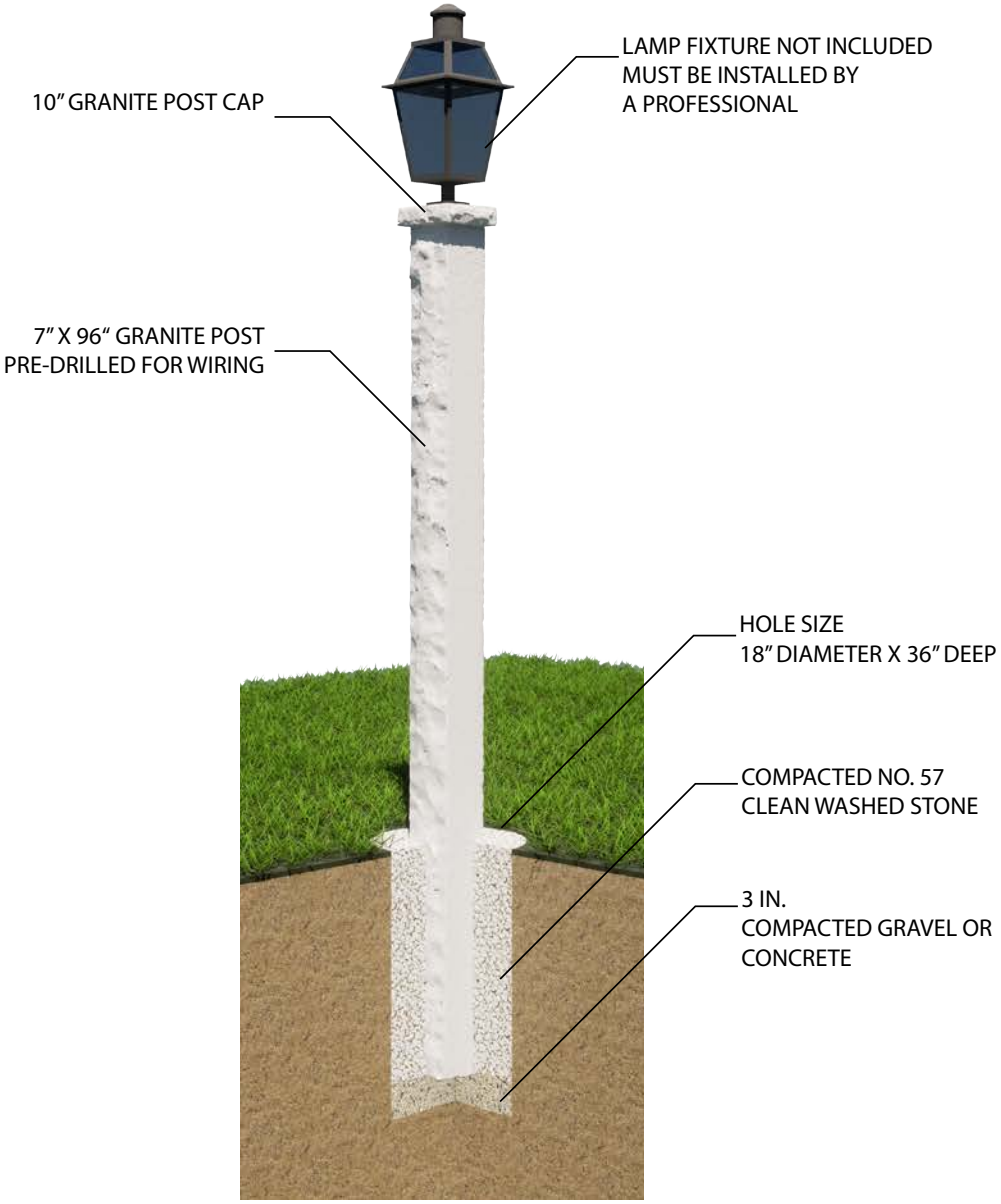
EASTERN GRAY™ granite
Thermal 2 sides, Rock-face 2 sides

Powder coat finish metal components will provide many years of use with routine maintenance and upkeep.



LAMP POSTS
PACKAGING INFORMATION

LAMP POSTES				
Products	**Size**	**Height**	**Units per crate**	**Weight per crate (Lbs)**
				Granite
Lamp Posts	7" X 7"	96"	8	3,602
Caps	10" X 10"	2" Thickness	8	200



MAILBOX POSTS
PRODUCT DATA SHEET

Scan me for more info.

EASTERN GRAY™ granite
Mailbox post

Replace your unsightly mailbox with an easy-to-install granite mailbox post to add instant curb appeal that will last a lifetime.

Height	Width	Length
84"	7"	7"

Single scroll wrought iron bracket included. Engraving not available

STONE

EASTERN GRAY™ granite, Thermal 2 sides, Split-face 2 sides

MAILBOX POSTS
PACKAGING INFORMATION

LAMP POSTES

Products	Size	Height	Units per crate	Weight per crate (Lbs)
				Granite
Mailbox Post	7" X 7"	84"	10	3,936

MAILBOX POST
INSTALLATION GUIDE

Durable and easy-to-install mailbox posts add instant curb appeal that will last a lifetime. All posts weigh approximately 400 pounds each.

DIMENSION

- 84" X 7" X 7"
- Thermal 2 sides, split-face 2 sides
- Includes single scroll wrought iron mailbox bracket

INSTALLATION

- Bottom of the mailbox needs to be 40" to 44" above street level. Always check with your local post office to confirm their requirements for the height of the box, as well as the distance of the post from the street. Individual postal offices may have different regulations.

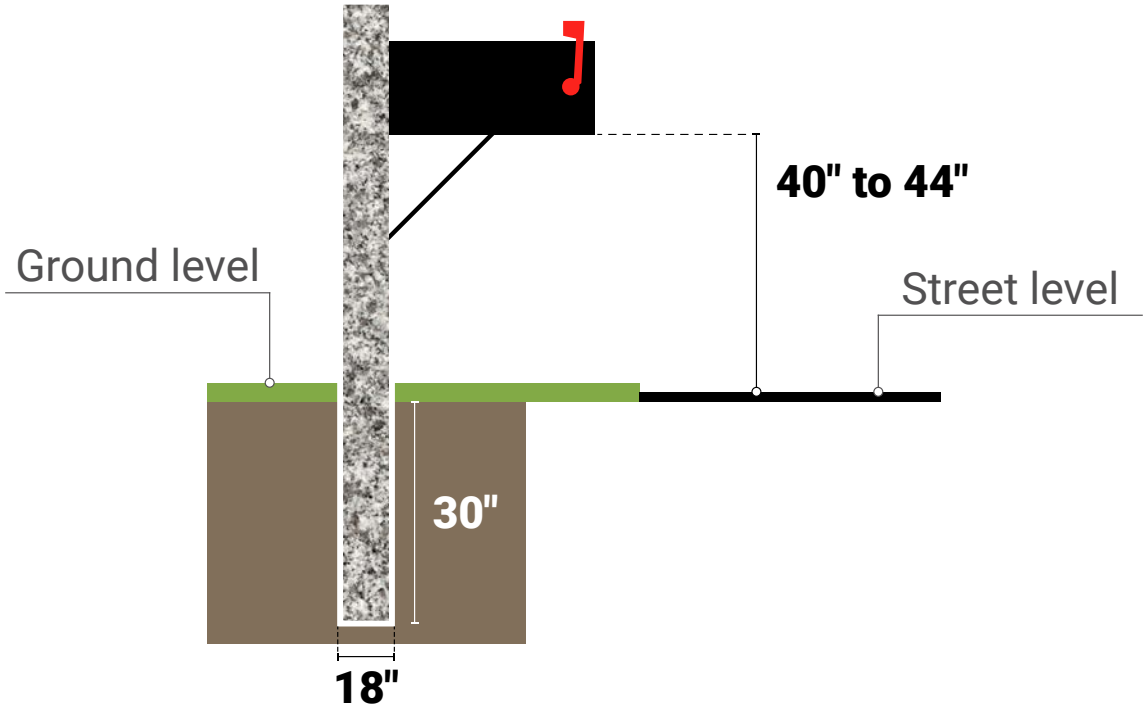
- Hole needs to be 30" deep (up and down) and 18" diameter (across the hole). Special hardware or brackets may require a longer non-stock post to allow enough of the post to be buried in the ground for stability. This may also affect hole depth. By law, you must always contact your local utilities company before you dig, or dial 811 (in the USA) to be connected to your state's call center.

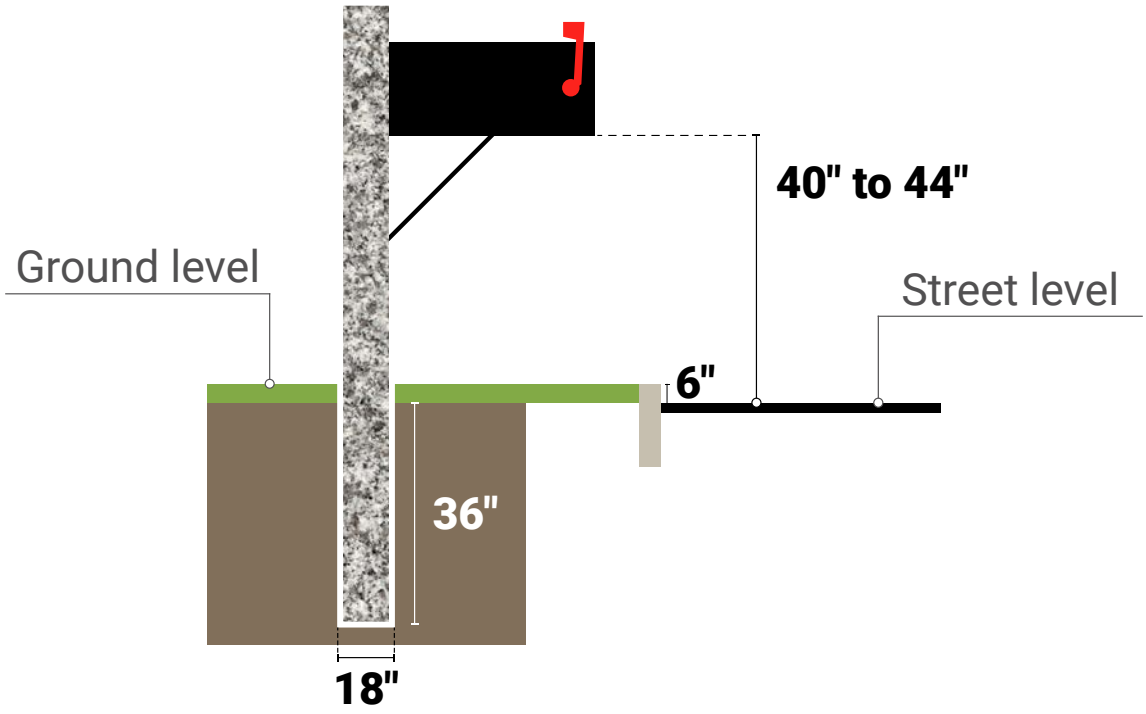
- You must include the height of the curb to your calculation for the depth of the hole. As shown on the next fage, if there is curbing on the street, i.e. height of curb is 6", the hole needs to be 36" deep.

In the USA, typical postal regulations require the height from the street level to the bottom of the mailbox to be 40" to 44", but please check with your local postmaster for their requirements. A stock-size post would need a hole 30" deep, and 18" diameter. Varying USPS height requirements, as well as any accessories added to post may require a longer non-stock post, so that the proper mailbox height can be maintained. Before starting any digging projects, it is advised that you contact your local utilities company, or dial 811 to be connected to your state’s call center. Any height measurement needs to be from street level, not curb or grade level.

MAILBOX POST
INSTALLATION GUIDE

MAILBOX POST INSTALLATION





Technical Data

PROFESSIONAL SPECS ON ALL POLYCOR NATURAL STONE PRODUCTS FOR HARDSCAPES AND MASONRY PROJECTS.

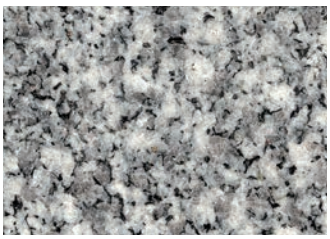
Get the detailed technical data you need on our silica-free stones and Solar Reflectance Index for Polycor Hardscapes & Masonry stone.

PHYSICAL TEST RESULTS
ASTM INFORMATION

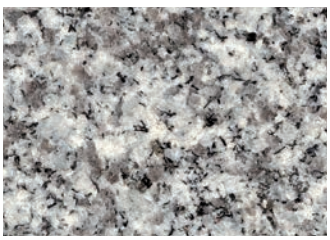
INDIANA LIMESTONE - FULL COLOR BLEND™		IMPERIAL	METRIC
Absorption by weight	ASTM C97	7.5%	7.5%
Density	ASTM C97	144 lb/sq.ft	2,306.66 kg/m^3
Compressive strength	ASTM C170	4,000 Psi	27.58 MPa
Modulus of rupture	ASTM C99	700 Psi	4.83 MPa

INDIANA LIMESTONE - FOSSIL BEIGE™		IMPERIAL	METRIC
Absorption by weight	ASTM C97	7.5%	7.5%
Density	ASTM C97	144 lb/sq.ft	2,306.66 kg/m^3
Compressive strength	ASTM C170	4,000 Psi	27.58 MPa
Modulus of rupture	ASTM C99	700 Psi	4.83 MPa

EASTERN GRAY™ granite **(USA)**		IMPERIAL	METRIC
Absorption by weight	ASTM C97	0.182%	0.182%
Density	ASTM C97	164.01 ± lb/sq.ft	2,627.19 ± kg/m^3
Compressive strength	ASTM C170	34,789 Psi	239.90 MPa
Modulus of rupture	ASTM C99	2,097 Psi	14.46 MPa



EASTERN GRAY™ granite **(CAN)**		IMPERIAL	METRIC
Absorption by weight	ASTM C97	0.30%	0.30%
Density	ASTM C97	166 lb/sq.ft	2,659.90 kg/m^3
Compressive strength	ASTM C170	26,172.30 Psi	180.50 MPa
Modulus of rupture	ASTM C99	1,836.30 Psi	12.70 MPa

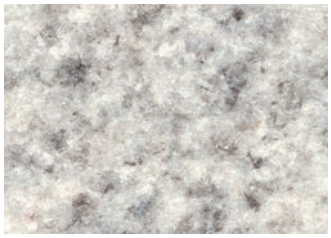


EASTERN GRAY™ granite **(USA/CAN)**		IMPERIAL	METRIC
Absorption by weight	ASTM C97	0.252%	0.252%
Density	ASTM C97	165 lb/sq.ft	2,643.05 kg/m^3
Compressive strength	ASTM C170	17,007 Psi	117.26 MPa
Modulus of rupture	ASTM C99	1,617 Psi	11.15 MPa

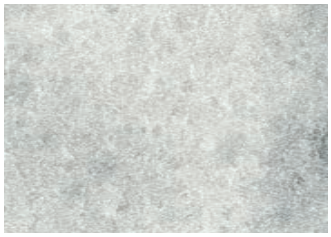
PHYSICAL TEST RESULTS
ASTM INFORMATION

CALEDONIA™ granite		IMPERIAL	METRIC
Absorption by weight	ASTM C97	0.12%	0.12%
Density	ASTM C97	169 lb/sq.ft	2,710 kg/m^3
Compressive strength	ASTM C170	28,021 Psi	193.20 MPa
Modulus of rupture	ASTM C99	1,711 Psi	11.80 MPa

SAINT HENRY BLACK™ granite		IMPERIAL	METRIC
Absorption by weight	ASTM C97	0.056%	0.056%
Density	ASTM C97	177.2lb/sq.ft	2,838.47kg/m^3
Compressive strength	ASTM C170	22,242Psi	153.36MPa
Modulus of rupture	ASTM C99	1,929Psi	13.30MPa



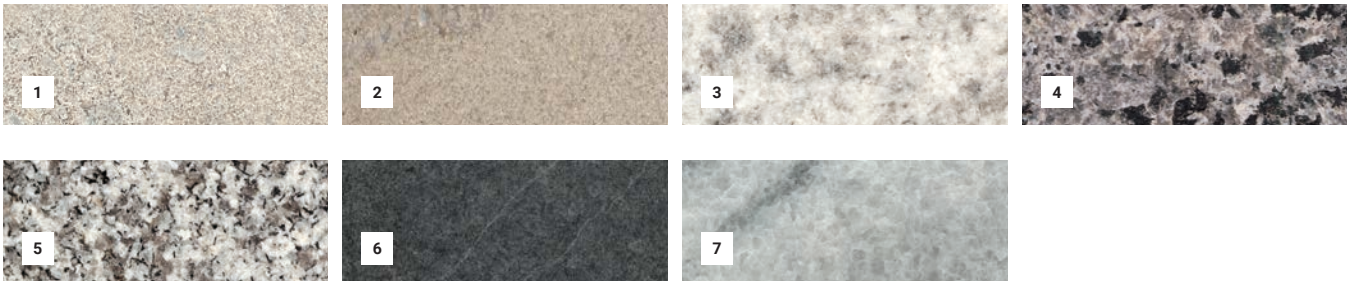
BETHEL WHITE® granite		IMPERIAL	METRIC
Absorption by weight	ASTM C97	0.256%	0.256%
Density	ASTM C97	164.4 lb/sq.ft	2,633.44 kg/m^3
Compressive strength	ASTM C170	34,027 Psi	234.61 MPa
Modulus of rupture	ASTM C99	1,937 Psi	13.36 MPa



GEORGIA MARBLE™ - PEARL GREY		IMPERIAL	METRIC
Absorption by weight	ASTM C97	0.09%	0.09%
Density	ASTM C97	169.4 lb/sq.ft	2,713.53 kg/m^3
Compressive strength	ASTM C170	9,505 Psi	65.53 MPa
Modulus of rupture	ASTM C99	1,374 Psi	9.47 MPa

SOLAR REFLECTANCE INDEX

Solar Reflectance Index (SRI) is a composite measure that combines a surface's solar reflectance and emittance. Essentially, the SRI is an indicator of how well a surface reflects (reflectance) and releases absorbed solar radiation (emittance). The lower the SRI, the hotter a material is likely to become in the sunlight. High SRI surfaces can help reduce the urban heat island that causes cities to stay warmer which contributes to air pollution and increased energy consumption for air conditioning systems.



STONE COLOR AND TYPE	INITIAL SOLAR REFLECTANCE	SOLAR REFLECTANCE INDEX (SRI)*	EXCEEDS LEED 2009 AND LEED V4 REQUIREMENT
1 - **INDIANA LIMESTONE - FULL COLOR BLEND™**	0.47	54	✓
2 - **INDIANA LIMESTONE - FOSSIL BEIGE™**	0.47	54	✓
3 - **BETHEL WHITE®** granite	0.59	69	✓
4 - **CALEDONIA™** granite	0.29	31	✓
5 - **EASTERN GRAY™** granite	0.44	49	✓
6 - **SAINT HENRY BLACK™** granite	N/A	N/A	N/A
7 - **GEORGIA MARBLE™ - PEARL GREY**	0.54	59	✓

			INITIAL	3-YEARS AGED
Non-Roof Applications	LEED 2009	Solar Reflectance Index (SRI)	29	N/A
	LEED V4	Solar Reflectance	0.33	0.28

The solar reflectance index (SRI) was calculated according to ASTM E1980, Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces, assuming a convection coefficient of 12 W/m^2 • °C (for medium wind speed) and an emittance of 0.9, which is appropriate for non-metallic opaque building materials.

*Solar Reflective Index (SRI) was calculated by CTLGroup, a registered d/b/a of Construction Technology Laboratories, Inc.

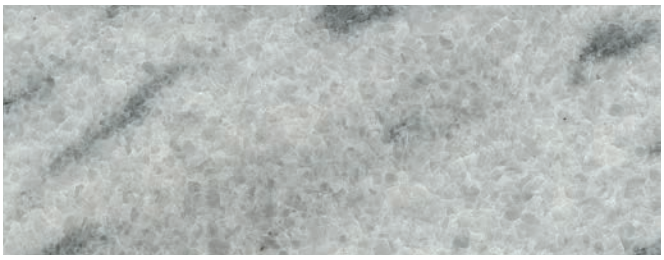
SILICA-FREE BUILDING MATERIALS

Silica is a substance found in concrete, mortar, stone, drywall, and other building materials that can cause serious health problems. Our **INDIANA LIMESTONE - FULL COLOR BLEND™**, **INDIANA LIMESTONE - FOSSIL BEIGE™**, and **GEORGIA MARBLE™ - PEARL GREY** contain no silica from any of our Indiana limestone or Georgia Marble quarries.

While INDIANA LIMESTONE - FULL COLOR BLEND™, INDIANA LIMESTONE - FOSSIL BEIGE™, and GEORGIA MARBLE™ - PEARL GREY do not contain silica, it is still good to limit exposure if a large quantity of dust is created while cutting. Consider dust extraction or wet-cutting while fabricating or field dressing this material and always follow your company's policies and best practices for use of PPE.

INDIANA LIMESTONE - FULL COLOR BLEND™

INDIANA LIMESTONE - FOSSIL BEIGE™



GEORGIA MARBLE™ - PEARL GREY

COMPOSITION

STONE SOURCE AND COLOR	CALCIUM CARBONATE	MAGNESIUM OXIDE	SILICA
INDIANA LIMESTONE - FULL COLOR BLEND™	99.37% - 99.43%	00.56% - 00.62%	Non-Detect
INDIANA LIMESTONE - FOSSIL BEIGE™	99.37% - 99.43%	00.56% - 00.62%	Non-Detect
GEORGIA MARBLE™ - PEARL GREY	99%	00.99% - 00.62%	Non-Detect

Non-presence of silica (CAS No. 14808-60-7, Cristobalite, Quartz, Tridymite) determined according to NIOSH 7500. Analytical Method and was calculated by Indiana Limestone Institute of America, Inc.

Care and Maintenance

IT'S EASY WITH NATURAL STONE.
Polycor natural stones, for a llow-maintenance, glamorous look that will stay for generations to come.

LIMESTONE
CARE AND MAINTENANCE GUIDE

Polycor natural stone products are virtually maintenance-free and, when properly maintained, will provide long-term performance for generations to come.

MAINTENANCE
Limestone surfaces should be kept free of debris and soiling by periodically sweeping or by using a mechanical blower on the surface. When maintaining exterior hardscaping, the ideal is to wash it at periodic intervals (annually, depending on atmospheric conditions) by hosing down the areas with clean water. This will prevent the accumulation of dirt and impurities.

CLEANING
Begin with a simple solution of mild, clear detergent, and water. Then, scrub the surface with a soft bristle brush. Rinse with clean water to remove remaining cleaning solution. If more stubborn soiling exists, use an approved stone cleaner or pH neutral cleaner approved for limestone. Never use wire brushes, acidic cleaners, bleach, paint remover or any other type of concrete cleaner. Some stone cleaners also contain small amounts of sealer. These products help to maintain the level of protection. Brushes may be necessary for the removal of certain surface impurities. Soft fiber bristle brushes are recommended.

When dirt has accumulated on older surfaces over an extended period of time, a combination of methods may be necessary to properly clean the limestone. A plain water jet, from a power washer, will typically remove most accumulation. Adjust the pressure on the machine accordingly and do not exceed 1,200 Psi, from a 45-degree fan-shaped nozzle, holding the tip no closer than 12" to the face of the stone. No chemicals should be used that could be harmful to the limestone. Note, however, that even high-pressure water can cause damage. Proper pressure, nozzle size, and working distance should be maintained consistently during the process.

One type of accumulation that can occur on limestone, marble, concrete, and other calcareous materials is algae this material appears to be an accumulation of dirt that is affected by water flow over the surface.

LIMESTONE
CARE AND MAINTENANCE GUIDE

Algae can be removed by using diluted hydrogen peroxide (1/2 cup in a gallon of water) or, vigorously scrubed over the wetted limestone, if necessary. After being scrubbed with a soft bristle brush, loosened algae can be hosed away without harm to the stone's surface. Test a small, inconspicuous area first to gauge results.

Avoid direct contact with oil-based materials and metals prone to rusting such as iron, copper, or bronze. In most outdoor applications, with the sources removed, normal sun and rain action will generally remove most stains.

PROTECTIVE COATINGS

To prolong the aesthetic beauty of the original installation, it may be decided to apply a sealer coating to the limestone surfaces. While it is not a requirement to seal Polycor natural stone, a sealer application may aid in cleaning the surface should it become dirty. Test in an inconspicuous area first before applying, and use in accordance with the manufacturer’s recommendations.

EFFLORESCENCE

As with many masonry products, efflorescence may occur on the limestone surface. This is typically caused by water carrying soluble salts from below the surface up to the face of the stone. The salts are deposited and recrystallize upon evaporation of the water, leaving a powdery, white salt residue. If the installation is new, brush or blow the powder from the surface with a blower. Repeat as necessary as the stone dries out. Do not use water to remove the powder. Efflorescence will disappear naturally over time, provided that the moisture source is eliminated or controlled. If the residue will not wash off, do not apply chemicals or cleaners to the stone.

For additional information regarding care and maintenance of limestone, consult the Indiana Limestone Handbook, published by the Indiana Limestone Institute of America, Inc. or visit **iliai.com**

Contact information for third-party cleaning products:

PROSOCO

customercare@prosoco.com
800.255.4255
prosoco.com

GRANITE
CARE AND MAINTENANCE GUIDE

Polycor natural stone products are virtually maintenance-free and, when properly maintained, will provide long-term performance for generations to come.

MAINTENANCE

Granite surfaces should be kept free of debris and soiling by periodically sweeping or by using a mechanical blower on the surface. When maintaining exterior hardscaping, the ideal is to to wash it at periodic intervals (annually, depending on atmospheric conditions) by hosing down the areas with clean water. This will prevent the accumulation of dirt and impurities. Granite is extremely durable, resists freeze-thaw cycles, is unaffected by ice melting products, and provides durable non-slip surfaces.

CLEANING

Begin with a simple solution of mild detergent, and water. Then, scrub the surface with a soft bristle brush. Rinse with clean water to remove remaining cleaning solution. If more stubborn soiling exists, use an approved stone cleaner or pH neutral cleaner approved for granite. Some stone cleaners also contain small amounts of sealer. These products help to maintain the level of protection. Brushes may be necessary for the removal of certain surface impurities. Soft fiber bristle brushes are recommended.

When dirt has accumulated on older surfaces over an extended period of time, a combination of methods may be necessary to properly clean the granite. A plain water jet, from a power washer, will typically remove most accumulation. Adjust the pressure on the machine accordingly and do not exceed 1,200 Psi, from a 45-degree fan-shaped nozzle, holding the tip no closer than 6" to the face of the granite. No chemicals should be used that could be harmful to the granite. Note, however, that even high-pressure water can cause damage. Proper pressure, nozzle size, and working distance should be maintained consistently during the process.

GRANITE
CARE AND MAINTENANCE GUIDE

One type of accumulation that can occur on granite, marble, limestone, concrete, and other calcareous materials is algae. This material appears to be simply an accumulation of dirt that is affected by water flow over the surface. This material can be removed by using diluted hydrogen peroxide (1/2 cup in a gallon of water) or, vigorously scrubbed over the wetted granite, if necessary. After being scrubbed with a soft bristle brush, loosened algae can be hosed away without harm to the stone's surface. Test a small, inconspicuous area first to gauge results.

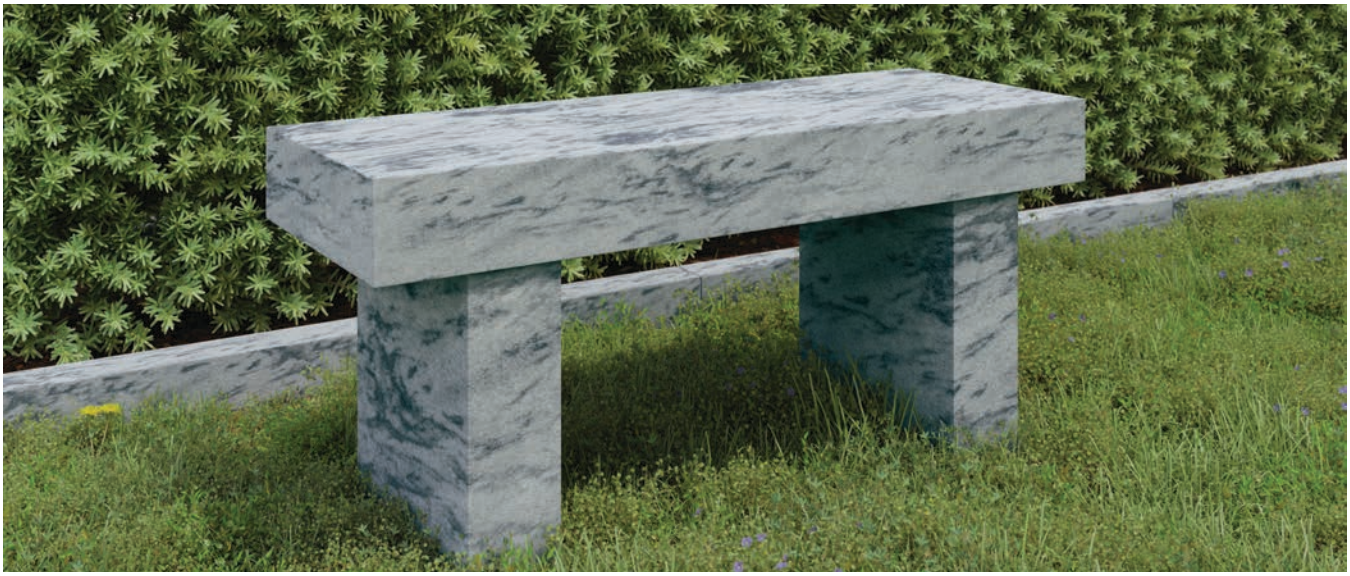
Avoid direct contact with oil-based materials and metals prone to rusting such as iron, copper, or bronze. In most outdoor applications, with the sources removed, normal sun and rain action will generally remove most stains.

PROTECTIVE COATINGS

To prolong the aesthetic beauty of the original installation, it may be decided to apply a sealer coating to the granite surfaces. While it is not a requirement to seal Polycor natural stone, a sealer application may aid in cleaning the surface should it become dirty. Test in an inconspicuous area first before applying, and use in accordance with the manufacturer's recommendations.

For additional information regarding care and maintenance of granite, consult the Dimension Stone Design Manual, published by the Natural Stone Institute, or visit naturalstoneinstitute.org

MARBLE
CARE AND MAINTENANCE GUIDE



Polycor natural stone products are virtually maintenance-free and, when properly maintained, will provide long-term performance for generations to come.

MAINTENANCE
Marble surfaces should be kept free of debris and soiling by periodically sweeping or by using a mechanical blower on the surface. When maintaining exterior hardscaping, the ideal is to wash it at periodic intervals (annually, depending on atmospheric conditions) by hosing down the areas with clean water. This will prevent the accumulation of dirt and impurities.

CLEANING
Begin with a simple solution of mild detergent, and water. Then, scrub the surface with a soft bristle brush. Rinse with clean water to remove remaining cleaning solution. If more stubborn soiling exists, use an approved stone cleaner or pH neutral cleaner approved for marble. Never use wire brushes, acidic cleaners, bleach, paint remover, or any other type of concrete cleaner. Some stone cleaners also contain small amounts of sealer. These products help to maintain the level of protection. Brushes may be necessary for the removal of certain surface impurities. Soft fiber bristle brushes are recommended.

When dirt has accumulated on older surfaces over an extended period of time, a combination of methods may be necessary to properly clean the stone. A plain water jet, from a power washer, will typically remove most accumulation. Adjust the pressure on the machine accordingly and do not exceed 1,200 Psi, from a 45-degree fan-shaped nozzle, holding the tip no closer than 6" to the face of the marble. No chemicals should be used that could be harmful to the marble. Note, however, that even high-pressure water can cause damage. Proper pressure, nozzle size and, working distance should be maintained consistently during the process.

MARBLE
CARE AND MAINTENANCE GUIDE

One type of accumulation that can occur on marble, limestone, concrete, and other calcareous materials is algae. This material appears to be simply an accumulation of dirt that is affected by water flow over the surface. Algae can be removed by using diluted hydrogen peroxide (1/2 cup in a gallon of water) or, vigorously scrubbed over the wetted marble, if necessary. After being scrubbed with a soft bristle brush, loosened algae can be hosed away without harm to the stone surfaces. Test a small, inconspicuous area first to gauge results.

Avoid direct contact with oil-based materials and metals prone to rusting such as iron, copper, or bronze. In most outdoor applications, with the sources removed, normal sun and rain action will generally remove most stains.

PROTECTIVE COATINGS

To prolong the aesthetic beauty of the original installation, it may be decided to apply a sealer coating to the marble surfaces. While it is not a requirement to seal Polycor natural stone, a sealer application may aid in cleaning the surface should it become dirty. Test in an inconspicuous area first before applying, and use in accordance with the manufacturer's recommendations.

For additional information regarding care and maintenance of marble, consult the Dimension Stone Design Manual, published by the Natural Stone Institute, or visit naturalstoneinstitute.org

Stone Collection Chart

		INDIANA LIMESTONE - FULL COLOR BLEND™	INDIANA LIMESTONE - FOSSIL BEIGE™	BETHEL WHITE® granite	EASTERN GRAY ™ granite	CALEDONIA™ granite	SAINT HENRY BLACK ™ granite	GEORGIA MARBLE™ - PEARL GREY
Berkshire®	Thin Veneer	●	●		●			● 1
	Full-Bed	●			●			● 1
Rockford Estate Blend®	Thin Veneer	●	●					
	Full-Bed	●	●					
Vanderbilt Classic®	Thin Veneer	●	●		●	●	●	●
	Full-Bed	●			●	●	●	●
Sills	Thin Sills	●			●			●
	Full Sills	●			●			●
Pavers		●	● 2	●	●	●	●	●
XL Pavers		●		●	●	●	●	●
Pattern Pavers	3-Piece	●	●	●	●	●	●	●
	4-Piece	●	●	●	●	●	●	●
Pool Coping	Bull-nosed edge	●						
	Chamfered edge	●	●	●	●		●	●
7" Steps & Fillers		●		●	●	●	●	
6" Landscape Steps		●			●			●
Treads		●		●	●		●	
Garden Walls		●	●					●
Wall Caps		●	●	●	●		●	●
Pillar Caps		●	● 3	●	●		●	●
Fire Pits	Round Fire Pit				●			
	Square Fire Pit				●		●	
	XL Square Fire Pit						●	
	Rectangle Fire Pit				●		●	
Benches		●			●			●
Posts	Lamp Post				●			
	Mailbox Post				●			

1 - 10 ½" size is not available
2 - Only available in certain sizes
3 - Only available in 24" X 24"

● Existing items
● New items

POLYCOR
NATURAL STONE

Polycor Inc. products are natural. Subtle variations in color and texture do occur and are part of what makes natural stone unique and attractive. We cannot guarantee an exact match to any of the photographic images contained in this document. Polycor Inc.'s continuing attention to product improvement requires that product specifications, technical information, and availability are subject to change without notice.

Scan this QR Code to find a dealer.

hardscapes.polycor.com

Contact Us (+1) 812.287.7500

Our hardscapes and masonry products are quarried and processed in the U.S. and Canada.

carbon neutral 2025