



VENEER  
WORLD

**2025**  
EDITION

 **LANDMARK**  
CERAMICS



## A new **landmark** in the porcelain industry

Landmark Ceramics is an American company, based in Tennessee that has set out to research, manufacture and sell top quality porcelain ceramics in North America. Technological innovation, market presence, attention to detail, the welfare of people and the environment, efficient service and a thorough product range make Landmark a new benchmark in the North American market for those who are looking for a reliable partner for any building and architecture project using US made top quality porcelain material.



THE FUTURE  
OF TRADITION

LEARN MORE ABOUT



# CONTEMPORARY WALL DESIGN

Traditional Veneer is reimagined to preserve its beauty and authentic stone feel, while pushing boundaries of material excellence thanks to highly performing porcelain veneer. Refined, modern surfaces, impervious to extreme temperature and unpredictable weather, immune to the signs of time. The tradition has a new future with porcelain veneers.



## PROJECT

FLOOR DESIGN

Charme Calacatta Gold 24"x48"

WALL DESIGN

Veneer World Pro Ledgestone Alpine Alaska - 6"x24"



# VERSATILITY & CONTINUITY FOR YOUR PROJECTS

## ANY SPACE

Thanks to highly performing materials and convenient installation methods, Landmark's Veneer World meets the demands of any environment, no matter the technical requirements.

## ANY LOOK

One of the vastest and most versatile collections of wall surfaces, with a wide range of colors you can mix and match according to your needs.

## ANY MOOD

Warm and welcoming or cool and modern, for homely residential spaces or edgy commercial settings. Cutting edge and squared shapes or natural and raft surfaces.

## ANYWHERE

In & Out continuity is guaranteed by a line of products suitable for both indoor and outdoor spaces, which can easily be matched to other collections.



# HIGHLY PERFORMING TECHNICAL SURFACES



## FIRE RESISTANT

Porcelain veneer doesn't burn, melt or give off toxic fumes when exposed to fire.



## WATERPROOF

Porcelain veneer is very compact and impervious therefore doesn't absorb. With tile you'll never have to worry about water.



## MOLD RESISTANT

Because it is fired at very high temperatures, porcelain veneer is nearly impenetrable. This keeps fine dirt particles from being lodged in its surface, making it resistant to mold and moss growth.



## LIGHT WEIGHT APPROX 4 LBS/FT<sup>2</sup>

Porcelain veneer is a thin and therefore light weight material of approximately 4lbs/sqft. This means both less unnecessary pounds onto walls and cost saving in transportation and installation.



## SCRATCH RESISTANT

Porcelain veneer is strong, hard and resistant to most type of scratches.



## ENERGY EFFICIENT

Tile's inherent thermal mass reduces peak heating and cooling, which helps to moderate temperature swings in your home.



## DOESN'T BEND

Porcelain veneer is solid, hard and compact.



## ZERO ALLERGENES

Porcelain veneer is both hard and impervious therefore inhospitable to dust mites, bacteria, fungi, mold and other irritants.



## ZERO VOC & PVC

Porcelain veneer is completely PVC and VOC (volatile organic compound) free that means a healthier home for you.



## ZERO FORMALDEHYDE

Formaldehyde is known to lead to an increased incidence of asthma. Tile has zero formaldehyde.



## PLASTIC FREE

Being composed of natural ingredients such as clays, quartz and feldspars and then fired up to 2500 F, porcelain veneer is 100% plastic free. This means a healthier living environment.



## STAIN RESISTANT

Porcelain veneer is a very reliable, hygienic, and easy-to-clean material that will never be affected by any permanent type of stain.



## FROST RESISTANT

No need to worry during the worst winter conditions of Snow, Ice and Salt. Porcelain veneer in fact is made by high density and homogeneous materials, making it resistant to frost, snow, salt and ice.



## UV RESISTANT

Porcelain veneer is fired at 2500 degrees which allows it to resist to sun light and UV rays without being effected in any way, even when exposed to the worst solar heat conditions.



## ACID RESISTANT

Porcelain veneer is Inert, hard and because of its imperviousness, it withstands even the most aggressive chemical detergents and acid substances.



## VERY LONG SERVICE LIFE

Porcelain veneer when properly installed and maintained can last for decades.



## ZERO SMOKE DEVELOPMENT

Porcelain veneer never gives off toxic fumes, even when exposed to fire.



## ECO FRIENDLY & RECYCLABLE

Porcelain veneer is one of the most eco-friendly wall covering options available. From the production process to the installed materials, porcelain veneers can in fact be reused generation after generation. In addition, packaging and boxing are both 100% recyclable for a full respect of the environment.



## COST SAVING OVER TIME

Thanks to its long service life and easy maintenance, porcelain veneer is very cost effective over time when compared to flooring products that need to be replaced more frequently.



# TOTAL LOOK SOLUTIONS

Veneer World is the most comprehensive line of porcelain veneers for outdoor environments and indoor spaces, redefining the longstanding American tradition of stone-inspired walls and decors. A vast selection of solid surfaces for total look projects, ensuring in & out continuity to match Landmark's endless portfolio of looks, colors and surfaces.





# INSPIRED BY AMERICAN STONES

Inspired by genuine American stones of architectural and historic significance, Landmark's Veneer World faithfully replicates the rugged texture of nature for solid exteriors, while providing a sense of warmth and hospitality to elegant interiors.





# STUNNING OUTDOOR ENVIRONMENTS

- Walls
- Porches
- Swimming Pools
- Fire-pits
- Outdoor Kitchens
- Retaining Walls
- Outdoor Facades

## PROJECT

OUTDOOR FLOOR DESIGN  
Frontier 20 Travertine Select Cross Cut Pearl - 24"x24"  
OUTDOOR WALL DESIGN  
Veneer World Atelier Bamboo Vein Cut Pearl - 12"x24"



# ELEGANT INDOOR SETTINGS

- Living spaces
- Partitions
- Fireplaces
- Backsplashes
- Decorative Walls
- Spas



## PROJECT

WALL DESIGN

Veneer World Atelier Groove S Grey Select - 12"x24"

FLOOR DESIGN

Spirit Old Maple - 12"x48"



# UNIQUE RESIDENTIAL ATMOSPHERE

Veneer World is American living: an opportunity to make your home unique and representative of your taste and personality, contributing to the creation of beautiful settings for everyday comfort.

**PROJECT**

FLOOR DESIGN

Vision Pearl - 24"x48"

WALL DESIGN

Veneer World Pro LedgeStone Bluestone Tumbled - 6"x24"



# PRESTIGIOUS COMMERCIAL SPACES

Stunning, convenient surfaces designed to meet the demands of commercial locations. Make your business stand out thanks to creative combinations of veneers and tiles from Landmark's portfolio.



## PROJECT

WALL DESIGN

Veneer World Atelier Combed Essence Montauk Grey - 12"x24"

FLOOR DESIGN

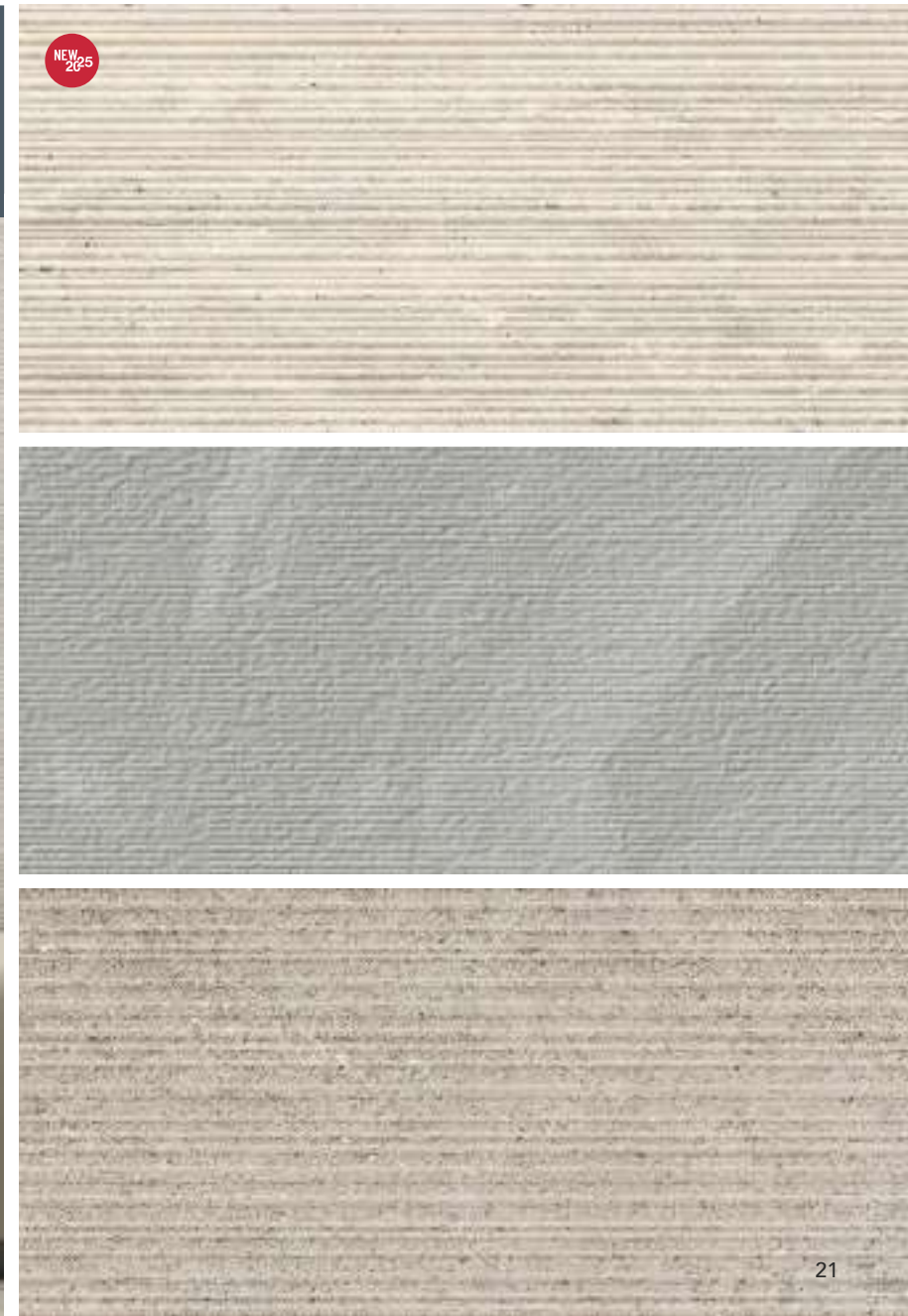
Essence Refined Montauk Grey - 24"x48"

Essence Refined Montauk Dark - 12"x24"

# THREE DIFFERENT FAMILIES, EIGHT DISTINCTIVE SURFACES

## ATELIER

Atelier, by definition, is a workshop or studio, especially one used by an artist or designer; according to this vision Landmark Ceramics designed its new array of precious wall surfaces made of porcelain. Either be an art craft or replica of engraving machinery Atelier brings to life expressive geometry and designs on the finest porcelain.



NEW  
2025



# THREE DIFFERENT FAMILIES, EIGHT DISTINCTIVE SURFACES

## PRO LEDGESTONE

An elegant finish, highly suitable for indoor spaces or smooth outdoor environments, combining contemporary design and refined taste. Pro ledgestone recreates the patterns of stonework using stacked ledge with ideally no joints thanks to perfect cuts and professional installation.



## URBAN LEDGESTONE

Urban is the Porcelain Veneer proposal for whoever is looking for a clean, neat and modern design. Made of listels regular and uniform in height, characterized by a smooth and refined surface finish, Urban is intended for wall compositions to fit any contemporary architectural environments where the tradition of stone veneers meets the elegance of a clean look. Each veneer is composed by the assembling of same height pieces with a 3D relief to create vibrant and new decorative wall surfaces.







# ATELIER

Contemporary material meets the heritage coming from the stone surface treatment tradition.

Sand blasting, brushing, hammering, carving and engraving all skillfully blended together to complete the offering of Veneer World with a touch of preciousness and elegance.

Atelier is designed to be used in every vertical application, from small walls and backsplashes to façades, both indoor and outdoor, to give unique personality to every project where special attention is needed.

# 1

## COLLECTIONS

**1.1 Groove S Indiana Salem**

**1.2 Groove L Indiana Salem**

**1.3 Dynamic Indiana Salem**

**1.4 Combed Essence**

**1.5 Wave Infinity**

**NEW 2025** **1.6 Bamboo Trail**



ATELIER

1.1

## ATELIER GROOVE S Indiana Salem

Scratched finish that blends the elegance of natural stone with a 3D surface effect. The brushed and hammered embossed texture creates special plays of light and shadow, along with surface scratches, enhancing the decorative added value of the product.

### PROJECT

WALL DESIGN

Veneer World Atelier Groove S Grey Select - 12"x24"

FLOOR DESIGN

Spirit Old Maple - 12"x48"



ATELIER  
GROOVE S



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Groove S Grey Select - 12"x24"

# 1.1

**ATELIER  
GROOVE S**  
Indiana  
Grey  
Select



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Groove S Grey Select - 12"x24"



# 1.1

ATELIER  
GROOVE S  
Indiana  
Buff  
Select



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Groove S Buff Select - 12"x24"



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Groove S Buff Select - 12"x24"

ATELIER

1.2

## ATELIER GROOVE L Indiana Salem

Same scratched finish as Groove S, but with a larger gap among scratches, that elevates natural inspiration through an innovative technology to create a simple and elegant decoration.



### PROJECT

WALL DESIGN

Veneer World Atelier Groove L Indiana Buff Select - 12"x24"

OUTDOOR FLOOR DESIGN

Frontier20 International White - 24"x24"





# 1.2

**ATELIER**  
GROOVE L  
Indiana  
Grey  
Select

**PROJECT**

WALL DESIGN

Veneer World Atelier Groove L Indiana Grey Select - 12"x24"

Veneer World Atelier Dynamic Indiana Buff Select - 12"x24"

# 1.2

ATELIER  
GROOVE L

Indiana  
Buff  
Select

**PROJECT**

WALL DESIGN

Veneer World Atelier Groove L Buff Select - 12"x24"

Veneer World Atelier Groove S Grey Select - 12"x24"

FLOOR DESIGN

Frontier20 Explore Everest Dark - 24"x24"





# 1.3

## ATELIER DYNAMIC Indiana Salem

Elaborated finish with multiple geometries on the surface, able to offer a contemporary solution that reserves the natural touch of the stone, characterized by micro lines running along the undulating dunes of the surface.



**PROJECT**  
WALL DESIGN

Veneer World Atelier Dynamic Buff Select - 12"x24"





# 1.3

**ATELIER  
DYNAMIC**  
Indiana  
Grey  
Select

**PROJECT**  
WALL DESIGN  
Veneer World Atelier Dynamic Indiana Grey Select - 12"x24"



# 1.3

ATELIER  
DYNAMIC  
Indiana  
Buff  
Select



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Dynamic Buff Select - 12"x24"

**PROJECT**  
WALL DESIGN  
Veneer World Atelier Dynamic Buff Select - 12"x24"

ATELIER GROOVE S

ATELIER GROOVE S



# INDIANA SALEM

BUFF SELECT

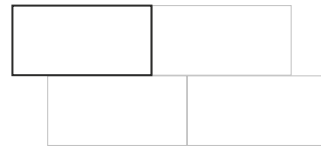


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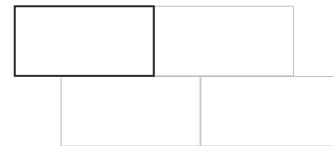
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



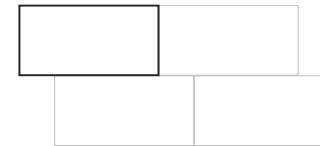
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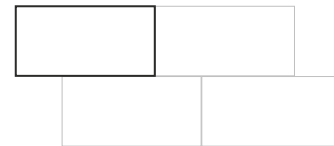
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# INDIANA SALEM

GREY SELECT



12" x 24"  
± 0.35" / 9 mm



ATELIER GROOVE L

ATELIER GROOVE L



# INDIANA SALEM

BUFF SELECT

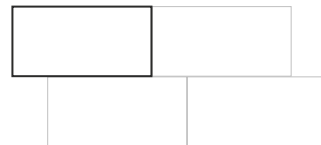


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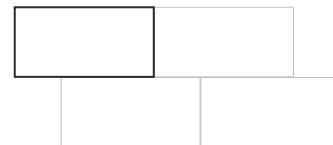
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



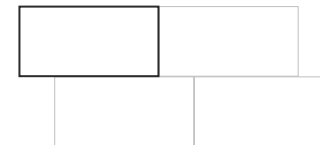
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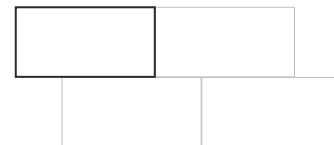
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# INDIANA SALEM

GREY SELECT



12" x 24"  
± 0.35" / 9 mm

ATELIER DYNAMIC

ATELIER DYNAMIC



# INDIANA SALEM

BUFF SELECT

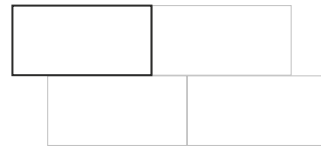


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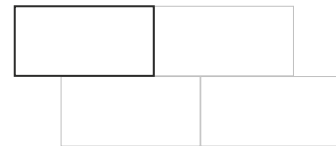
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1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



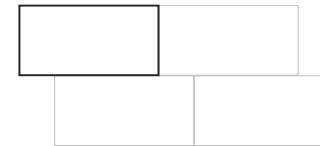
Color shading



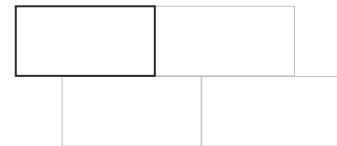
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# INDIANA SALEM

GREY SELECT



12" x 24"  
± 0.35" / 9 mm



ATELIER

1.4

ATELIER  
COMBED

Essence

Atelier Combed introduces a new decorative solution within Landmark's Veneer World: a 3D texture characterized by bold grooves. The linear striations along with the interplay of shadows and light evoke the essence of traditional handcrafted tooled surface to showcase a combination of natural and geometric elements for a distinctive visual appeal.

**PROJECT**

WALL DESIGN

Veneer World Atelier Combed Essence Montauk Grey - 12"x24"

COUNTER DESIGN

Essence Refined Montauk Grey - 24"x48"

# 1.4

ATELIER  
COMBED  
Essence  
Montauk  
White



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Combed Essence  
Montauk White - 12"x24"



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Combed Essence Montauk White - 12"x24"  
Veneer World Pro LedgeStone Ridge Beige - 6"x24"





# 1.4

## ATELIER COMBED

### Essence Montauk Grey

**PROJECT**

WALL DESIGN  
Veneer World Atelier Combed Essence Montauk Grey - 12"x24"  
FLOOR DESIGN  
Essence Refined Montauk Grey - 24"x48"  
Essence Refined Montauk Dark - 12"x24"



# 1.4

## ATELIER COMBED

### Essence Montauk Black

#### PROJECT

WALL DESIGN

Veneer World Atelier Combed Essence Montauk Black - 12"x24"

OUTDOOR FLOOR DESIGN

Frontier20 Montauk Black - 24"x48" - 12"x24"

FIREPIT

Veneer World Pro LedgeStone Ridge Grey - 6"x24"



ATELIER COMBED

ATELIER COMBED



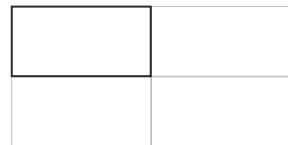
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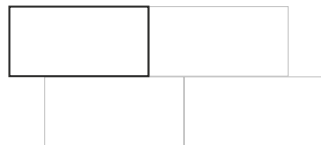


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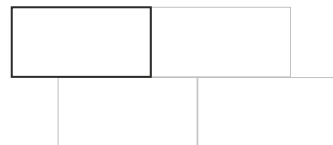
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1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



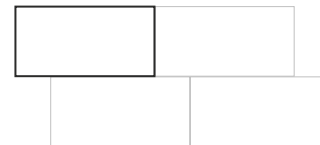
Color shading



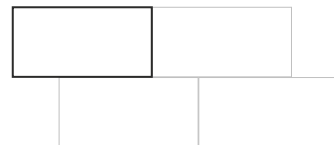
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# ESSENCE

MONTAUK GREY



12" x 24"  
± 0.35" / 9 mm

±10%



# ATELIER COMBED



# ESSENCE

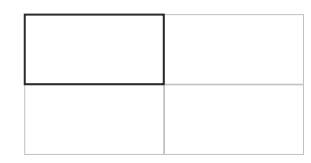
## MONTAUK BLACK



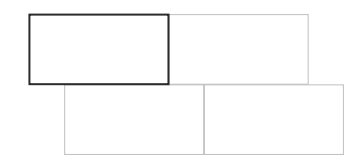
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±10%

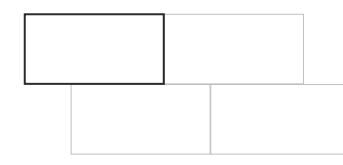
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading





ATELIER

# 1.5

## ATELIER WAVE Infinity

Infinity interprets contemporary trends, expression of a simple taste that is expressed through the soft and natural colors of the stone. A collection of surfaces that look rich and natural, and at the same time elegant and refined, ideal for large and spacious environments where the strength of the material is expressed in projects with minimalist lines.

Wave is distinguished by the three-dimensional carved and machined tooled texture. Its surfaces features a refined and pleasant 3D tactile effect.



### PROJECT

WALL DESIGN

Atelier Wave Infinity Desert - 12"x24"

Spirit Walnut - 8"x40"

INDOOR FLOOR DESIGN

Infinity Space - 12"x24"



**PROJECT**  
WALL DESIGN  
Veneer World Atelier Wave Infinity Sky - 12"x24"  
FLOOR DESIGN  
Infinity Desert - 12"x24" - 24"x48"

# 1.5

ATELIER  
WAVE  
Infinity  
Sky



# 1.5

ATELIER  
WAVE  
Infinity  
Desert



**PROJECT**

WALL DESIGN

Veneer World Atelier Wave Infinity Desert - 12"x24"

FLOOR DESIGN

Infinity Space - 12"x24"



ATELIER  
WAVE



# 1.5

**ATELIER**  
WAVE  
Infinity  
Absolute

**PROJECT**  
WALL DESIGN  
Veneer World Atelier Wave Infinity Absolute - 12"x24"



ATELIER WAVE

ATELIER WAVE



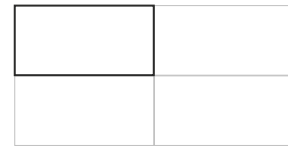
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SKY

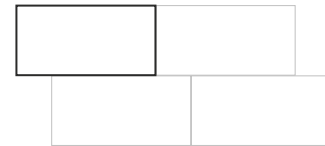


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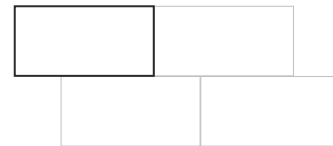
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



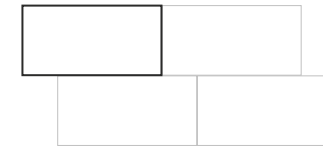
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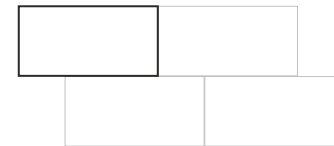
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# INFINITY

DESERT



12" x 24"  
± 0.35" / 9 mm

ATELIER WAVE



# INFINITY

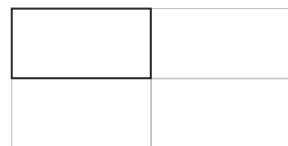
ABSOLUTE



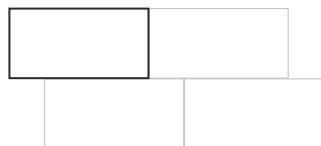
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±10%

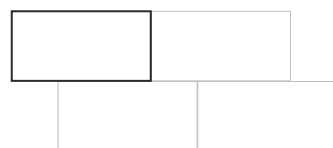
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading





ATELIER

1.6

## ATELIER BAMBOO Trail

With innovative designs inspired by hand-crafted stone engraving, Veneer Atelier Bamboo transforms walls with three-dimensional horizontal slats of varying sizes, adding dynamic depth to indoor and outdoor walls.

The decorative range with 3D Veneer Atelier Bamboo offers versatile options also for backsplash coverings, adding a distinctive design touch to residential spaces. Atelier Veneers provide sophisticated transitions between floors and walls. Their unique design, in a variety of colors matching Trail Refined porcelain tiles, allows for a cohesive look in any interior design project.



### PROJECT

WALL DESIGN

Veneer World Atelier Bamboo Vein Cut Pearl - 12"x24"

# 1.6

ATELIER  
BAMBOO  
Trail  
Vein Cut  
Pearl

**PROJECT**

OUTDOOR FLOOR DESIGN  
Frontier 20 Travertine Select Cross Cut Pearl - 24"x24"  
OUTDOOR WALL DESIGN  
Veneer World Atelier Bamboo Vein Cut Pearl - 12"x24"







## 1.6

ATELIER  
BAMBOO

Trail  
Vein Cut  
Grey

**PROJECT**

FLOOR DESIGN

Trail Vein Cut Grey - 12"x24"

WALL DESIGN

Veneer World Atelier Bamboo Vein Cut Grey - 12"x24"

# 1.6

ATELIER  
BAMBOO  
Trail  
Vein Cut  
Beige



**PROJECT**

BAR DESIGN  
Veneer World Atelier Bamboo Vein Cut Beige - 12"x24"  
WALL DESIGN  
Trail Vein Cut Beige Mosaic B - 12"x12"  
FLOOR DESIGN  
Trail Vein Cut Beige - 24"x48"



**PROJECT**

COUNTER  
Veneer World Atelier Bamboo Vein Cut Beige - 12"x24"  
OUTDOOR FLOOR DESIGN  
Frontier 20 Travertine Select Cross Cut Beige - 24"x24"





ATELIER BAMBOO

ATELIER BAMBOO



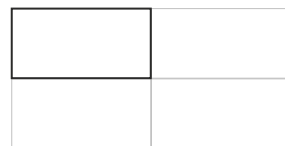
# TRAIL

VEIN CUT PEARL

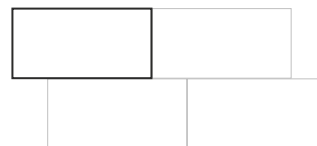


12" x 24"  
± 0.35" / 9 mm

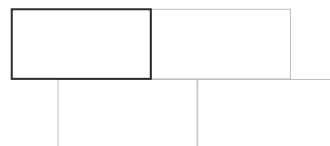
Stack Bond Pattern



1/4 Offset Bond Pattern



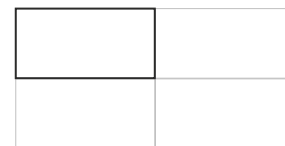
1/3 Offset Bond Pattern



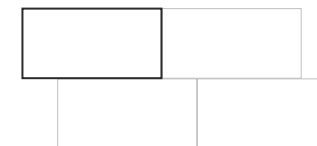
Color shading



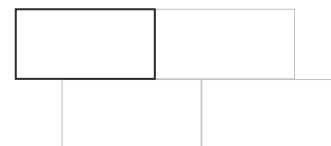
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# TRAIL

VEIN CUT GREY



12" x 24"  
± 0.35" / 9 mm

NEW  
2025  
COLOR

## ATELIER BAMBOO

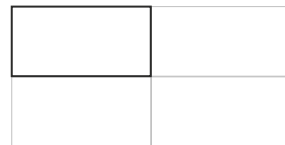
# TRAIL

VEIN CUT BEIGE

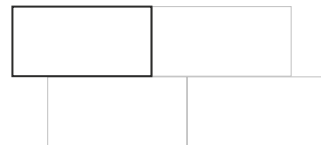


12" x 24"  
± 0.35" / 9 mm

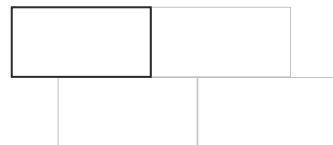
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading







# PRO LEDGESTONE

Linear patterns available in a variety of colors, to design refined surfaces for elegant settings. Each piece recreates the professionally assembled stacked ledgestone in a monolithic rectified porcelain veneer. Multiple and creatively variegated patterns assure a final natural effect, perfect for every decorative wall: both indoor and outdoor, for commercial as well as residential applications.

## COLLECTIONS

**2.1 Bluestone**

**2.2 Alpine**

**2.3 Ridge**

**2.4 Canyon**



PRO  
LEDGESTONE

## 2.1 BLUESTONE

Bluestone finds inspiration in the most refined and used American stones sourced from Pennsylvania. The Bluestone is a famous stone, known in all North America, used in some of the most important architectures. A highly versatile selection available in the Full Color, Blue Select and Tumbled alternatives, able to either blend in or highlight contrast depending on the designated environment and desired look.



**PROJECT**  
WALL DESIGN

Veneer World Pro Ledgestone Bluestone Blue Select - 6"x24"



PRO  
LEDGESTONE  
Bluestone

# 2.1

## BLUESTONE

### Blue Select

**PROJECT**  
WALL DESIGN

Veneer World Pro Ledgestone Bluestone Blue Select - 6"x24"





## 2.1

### BLUESTONE

# Full Color

**PROJECT**

FLOOR DESIGN

True Contemporary White - 8"x40"

WALL DESIGN

Veneer World Pro LedgeStone Bluestone Full Color - 6"x24"





## 2.1 BLUESTONE Tumbled

**PROJECT**

FLOOR DESIGN

Vision Pearl - 24"x48"

WALL DESIGN

Veneer World Pro Ledgestone Bluestone Tumbled - 6"x24"





PRO LEDGESTONE

PRO LEDGESTONE

# BLUESTONE

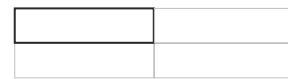
FULL COLOR



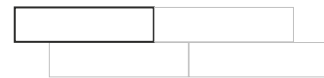
6" x 24" •  
± 0.35" / 9 mm

±10%

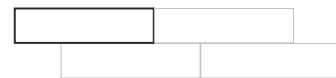
Stack Bond Pattern



1/4 Offset Bond Pattern



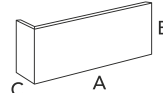
1/3 Offset Bond Pattern



Color shading

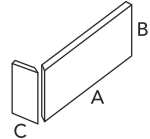


Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

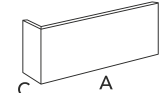
Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

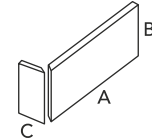
- Nominal Size: 5.8" x 24"
- Nominal Size: 20.5" x 5.8" x 2.75"

Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

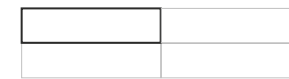
Smart Corner ••



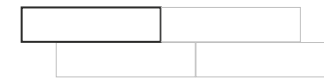
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8" x 24"
- Nominal Size: 20.5" x 5.8" x 2.75"

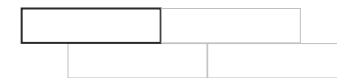
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# BLUESTONE

BLUE SELECT



6" x 24" •  
± 0.35" / 9 mm

±10%





PRO LEDGESTONE

# BLUESTONE

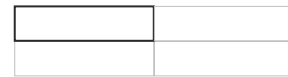
TUMBLED



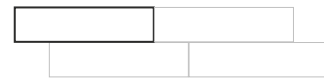
6"x24" •  
± 0.35" / 9 mm

±10%

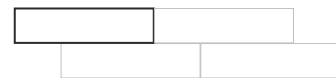
Stack Bond Pattern



1/4 Offset Bond Pattern



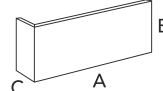
1/3 Offset Bond Pattern



Color shading

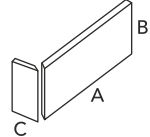


Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"





PRO  
LEDGESTONE

## 2.2 ALPINE

Delicate quartzite colors for subtle combinations within refined environments. Alpine offers designers the possibility to create clear, gentle looks with the most elegant shades on shade quartz materials.



### PROJECT

FLOOR DESIGN

Charme Calacatta Gold - 24"x48"

WALL DESIGN

Veneer World Pro Ledgestone Alpine Alaska - 6"x24"



**PRO**  
LEDGESTONE  
Alpine



## 2.2

### ALPINE

# Alaska

**PROJECT**  
WALL DESIGN  
Veneer World Pro Ledgestone Alpine Alaska - 6"x24"



PRO  
LEDGESTONE  
Alpine



## 2.2 ALPINE Desert

**PROJECT**

FLOOR DESIGN  
Journey Modern Grey - 24"x48"

WALL DESIGN  
Veneer World Pro Ledgestone Alpine Desert - 6"x24"  
Veneer World Pro Ledgestone Canyon Rock - 6"x24"





PRO LEDGESTONE

PRO LEDGESTONE

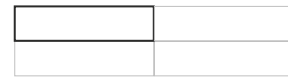
# ALPINE

ALASKA

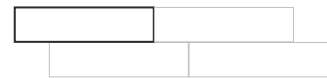


6"x24" •  
± 0.35"/9 mm

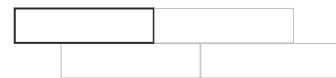
Stack Bond Pattern



1/4 Offset Bond Pattern



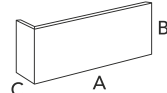
1/3 Offset Bond Pattern



Color shading

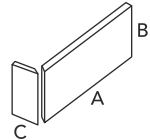


Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

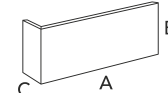
Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

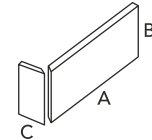
- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

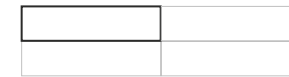
Smart Corner ••



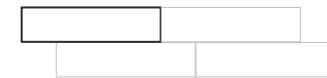
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

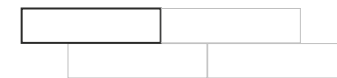
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# ALPINE

DESERT



6"x24" •  
± 0.35"/9 mm



PRO  
LEDGESTONE

# 2.3 RIDGE

Strong shades and color variations with accentuated contrast are the deepest soul of the Ridge collection, which combines looks of rich quartzite with precious slate. Diverse hues intertwine to enrich the surface and provide a unique natural feel.



**PROJECT**

FLOOR DESIGN

Spirit Chic Walnut - 8"x40"

WALL DESIGN

Veneer World Pro Ledgestone Ridge White - 6"x24"

Veneer World Pro Ledgestone Ridge Grey - 6"x24"



PRO  
LEDGESTONE  
Ridge



## 2.3 RIDGE White

## 2.3 RIDGE Grey



### PROJECT

FLOOR DESIGN

Spirit Chic Walnut - 8"x40"

WALL DESIGN

Veneer World Pro Ledgestone Ridge White - 6"x24"

Veneer World Pro Ledgestone Ridge Grey - 6"x24"



PRO  
LEDGESTONE  
Ridge



## 2.3 RIDGE Beige

**PROJECT**

FLOOR DESIGN

Attitude Calm Brown - 24"x24"

WALL DESIGN

Veneer World Pro Ledgestone Ridge Beige - 6"x24"



PRO  
LEDGESTONE  
Ridge



## 2.3 RIDGE Black

**PROJECT**

OUTDOOR FLOOR DESIGN  
Made.In Freedom White Grip - 12"x24"  
Frontier20 Freedom White - 24"x24"  
WALL DESIGN  
Veneer World Pro Ledgestone Ridge Black - 6"x24"





PRO LEDGESTONE

PRO LEDGESTONE

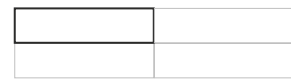
# RIDGE

WHITE

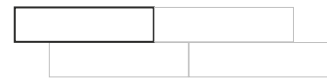


6"x24" •  
± 0.35"/9 mm

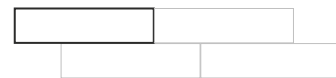
Stack Bond Pattern



1/4 Offset Bond Pattern



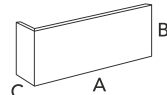
1/3 Offset Bond Pattern



Color shading

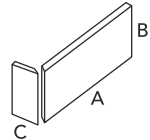


Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

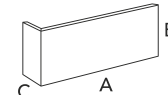
Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

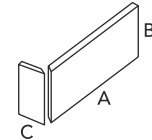
- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

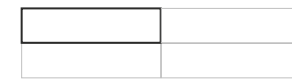
Smart Corner ••



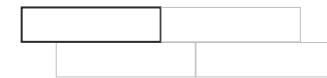
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

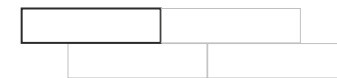
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



# RIDGE

BEIGE



6"x24" •  
± 0.35"/9 mm





PRO LEDGESTONE



PRO LEDGESTONE

# RIDGE

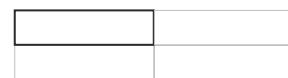
GREY



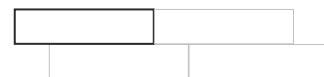
6"x24" •  
± 0.35"/9 mm

±10%

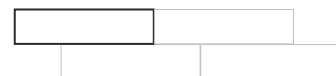
## Stack Bond Pattern



## 1/4 Offset Bond Pattern



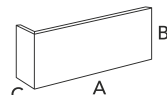
## 1/3 Offset Bond Pattern



### Color shading

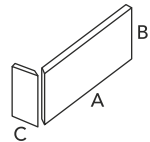


## Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

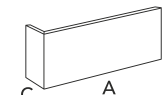
## Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

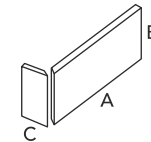
- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

## Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

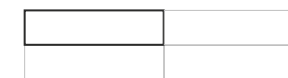
## Smart Corner ••



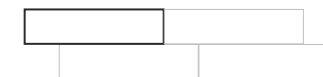
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

## Stack Bond Pattern



## 1/4 Offset Bond Pattern



## 1/3 Offset Bond Pattern



### Color shading



# RIDGE

BLACK



6"x24" •  
± 0.35"/9 mm

±10%



PRO  
LEDGESTONE

## 2.4 CANYON

Canyon is inspired by colorful American slates, ensuring a unique touch of western atmosphere for every space. A feel of natural, earthly matter, highlighted by the rich mix of tones brought together by an ensemble of dynamically textured surfaces typical of the split stones.



### PROJECT

FLOOR DESIGN

Frontier20 Modern Grey - 24"x24"

WALL DESIGN

Veneer World Pro Ledgestone Canyon Summer - 6"x24"



**PRO**  
LEDGESTONE  
Canyon



## 2.4

### CANYON

# Summer

**PROJECT**  
WALL DESIGN  
Veneer World Pro Ledgestone Canyon Summer - 6"x24"





## 2.4 CANYON Rock

**PROJECT**  
WALL DESIGN  
Veneer World Pro Ledgestone Canyon Rock - 6"x24"



PRO LEDGESTONE

PRO LEDGESTONE

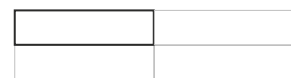
# CANYON

SUMMER

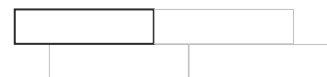


6"x24" •  
± 0.35"/9 mm

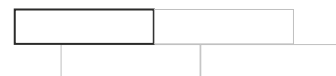
### Stack Bond Pattern



### 1/4 Offset Bond Pattern



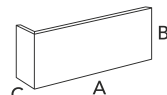
### 1/3 Offset Bond Pattern



### Color shading

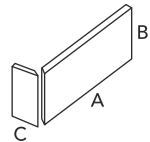


### Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

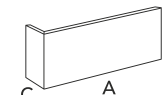
### Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

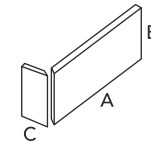
- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

### Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

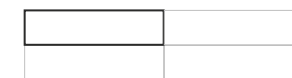
### Smart Corner ••



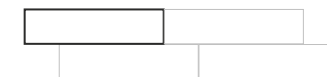
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

### Stack Bond Pattern



### 1/4 Offset Bond Pattern



### 1/3 Offset Bond Pattern



### Color shading



# CANYON

ROCK



6"x24" •  
± 0.35"/9 mm





# URBAN LEDGESTONE

# 3

Regular and geometric patterns available in a variety of colors, to design refined surfaces for elegant indoor or outdoor settings. The surface is soft and almost completely flat reproducing the perfect water saw cut that characterized the real stone veneers. Each listel has the same height and recreates a regular and professionally reassembled stacked ledgestone in a monolithic rectified porcelain veneer. Multiple and creatively variegated patterns assure a final natural effect, perfect for every decorative wall: both indoor and outdoor, for commercial as well as residential applications.

## COLLECTIONS



### 3.1 Explore

### 3.2 Masterplan



URBAN  
LEDGESTONE

# 3.1 EXPLORE

Inspired by the noblest quartzite stones, an iconic architectural stone widely used all across North America both in outdoor and indoor applications, Explore aims to reproduce its soft veining pattern over 4 natural modern colors, enhancing creativity and design opportunities in every outdoor or indoor wall application.

## PROJECT

OUTDOOR FLOOR DESIGN

Frontier20 Arctic White - 12"x48"

OUTDOOR POOL DESIGN

Frontier20 Arctic White Coping Rectified - 12"x24"

WALL DESIGN

Veneer World Urban Ledgestone Explore African Beige - 6"x24"





# 3.1

## EXPLORE

### African Beige

**PROJECT**

OUTDOOR FLOOR DESIGN  
Frontier20 Arctic White - 12"x48"  
WALL DESIGN

Veneer World Urban Ledgestone Explore African Beige - 6"x24"







## 3.1

### EXPLORE

# Volcanic Black

#### PROJECT

OUTDOOR FLOOR DESIGN  
 Frontier20 Michelangelo Extra White - 24"x48"  
 Frontier20 Michelangelo Extra White - 12"x48"  
 Frontier20 Michelangelo Extra White - 24"x24"  
 Frontier20 Michelangelo Extra White - 12"x24"  
 Frontier20 Michelangelo Extra White Riser - 6"x48"  
 WALL DESIGN  
 Veneer World Urban Ledgestone Explore Volcanic Black - 6"x24"





# 3.1

## EXPLORE

### Volcanic Black

#### PROJECT

OUTDOOR FLOOR DESIGN

Frontier20 Michelangelo Extra White - 24"x48"

Frontier20 Michelangelo Extra White Riser - 6"x48"

WALL DESIGN

Veneer World Urban Ledgestone Explore Volcanic Black - 6"x24"



**URBAN**  
LEDGESTONE  
Explore

# 3.1

## EXPLORE

### Star Grey

**PROJECT**

FLOOR DESIGN

- Frontier20 Travertine Cross Cut Silver - 24"x48"
- Frontier20 Travertine Cross Cut Silver - 12"x48"
- Frontier20 Travertine Cross Cut Silver - 24"x24"
- Frontier20 Travertine Cross Cut Silver - 12"x24"
- Frontier20 Travertine Cross Cut Silver Stair Tread - 12"x48"
- Frontier20 Travertine Cross Cut Silver Riser - 6"x48"

WALL DESIGN

- Veneer World Urban Ledgestone Explore Star Grey - 6"x24"
- Frontier20 Travertine Cross Cut Silver - 24"x48"







### 3.1

## EXPLORE

# Star Grey

#### PROJECT

##### FLOOR DESIGN

Frontier20 Travertine Cross Cut Silver - 24"x48"

Frontier20 Travertine Cross Cut Silver - 12"x48"

Frontier20 Travertine Cross Cut Silver - 24"x24"

Frontier20 Travertine Cross Cut Silver - 12"x24"

##### WALL DESIGN

Veneer World Urban Ledgestone Explore Star Grey - 6"x24"



URBAN  
LEDGESTONE  
Explore



# 3.1

## EXPLORE

### Arctic White

**PROJECT**

FLOOR DESIGN

Frontier20 Star Grey - 24"x48"

Frontier20 Star Grey - 12"x48"

Frontier20 Star Grey - 24"x24"

Frontier20 Star Grey - 12"x24"

Frontier20 Star Grey - 12"x12"

WALL DESIGN

Veneer World Urban Ledgestone Explore Arctic White - 6"x24"



# 3.1

## EXPLORE

### Arctic White

**PROJECT**  
WALL DESIGN

Veneer World Urban Ledgestone Explore Arctic White - 6"x24"





URBAN LEDGESTONE

URBAN LEDGESTONE

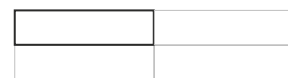
EXPLORE

ARCTIC WHITE

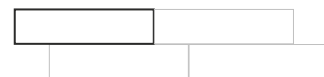


6"x24" •  
± 0.35"/9 mm

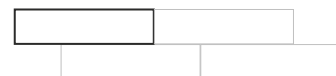
Stack Bond Pattern



1/4 Offset Bond Pattern



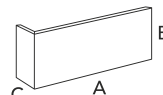
1/3 Offset Bond Pattern



Color shading

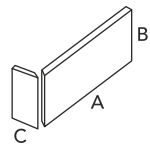


Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

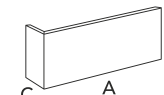
Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

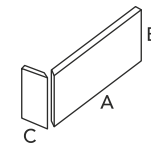
- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

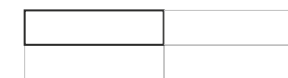
Smart Corner ••



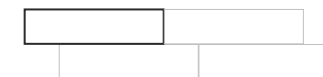
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



EXPLORE

AFRICAN BEIGE



6"x24" •  
± 0.35"/9 mm



URBAN LEDGESTONE

URBAN LEDGESTONE

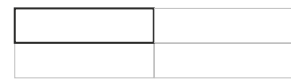
EXPLORE

STAR GREY

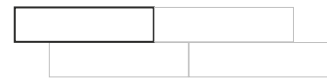


6"x24" •  
± 0.35"/9 mm

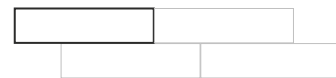
Stack Bond Pattern



1/4 Offset Bond Pattern



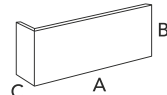
1/3 Offset Bond Pattern



Color shading

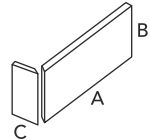


Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

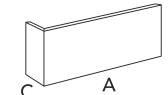
Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

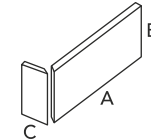
- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

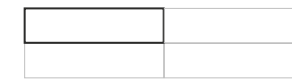
Smart Corner ••



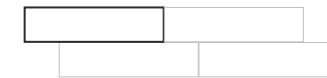
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



EXPLORE

VOLCANIC BLACK



6"x24" •  
± 0.35"/9 mm



URBAN  
LEDGESTONE

## 3.2 MASTERPLAN

Masterplan is the iconic minimalistic stone look that embodies the elegance of an urban style thanks to the slight movement of the graphics and a contemporary color palette. With a broad range of sizes, finishes, and colors, the collection offers complete freedom to design indoor and outdoor spaces as well as in&out transitional areas without stylistic and chromatic discontinuities.

### PROJECT

#### OUTDOOR FLOOR DESIGN

Frontier20 Comsopolitan Ash - 24"x24" / 24"x48"

Frontier20 Comsopolitan Ash Coping Bullnose - 12"x24"

#### OUTDOOR WALL DESIGN

Veneer World Urban Ledgestone Ash Mix - 6"x24"

benches and planter box

Frontier20 Fashion Black - 24"x24"



**URBAN**  
LEDGESTONE  
Masterplan

## 3.2 MASTERPLAN White Mix

### PROJECT

#### FLOOR DESIGN

Masterplan White Avenue - 24"x48"

Feeling Oak - 8"x40"

#### WALL DESIGN

Masterplan Geometric Multicolor Cold Mosaic G - 13.7"x11.22"

#### FIREPLACE

Masterplan Fashion Black - 24"x24"

Veneer World Urban Ledgestone White Mix - 6"x24"







## 3.2 MASTERPLAN White Mix

**PROJECT**

FLOOR DESIGN

Masterplan White Avenue - 24"x48"

FIREPLACE

Masterplan Fashion Black - 24"x24"

Veneer World Urban Ledgestone White Mix - 6"x24"



URBAN  
LEDGESTONE  
Masterplan



## 3.2 MASTERPLAN White Mix

### PROJECT

OUTDOOR FLOOR DESIGN

Frontier20 Diamond White - 24"x24"

Frontier20 Patchwork Ash - 24"x24"

OUTDOOR WALL DESIGN

Veneer World Urban Ledgestone White Mix - 6"x24"

POOL DESIGN

Frontier20 Fashion Grey - 24"x24"



URBAN  
LEDGESTONE  
Masterplan

# 3.2 MASTERPLAN White Mix



**PROJECT**

OUTDOOR FLOOR DESIGN

Frontier20 Diamond White - 24"x24"

Frontier20 Fashion Grey - 24"x24"

Frontier20 Diamond White / Fashion Grey Stair Tread Rectified - 12"x24"

WALL DESIGN

Vener World Urban Ledgestone White Mix - 6"x24"

Elite Fashion Grey - 24"x24"

PLANTER BOX

Vener World Urban Ledgestone White Mix - 6"x24"





## 3.2 MASTERPLAN Beige Mix

### PROJECT

#### FLOOR DESIGN

Masterplan Precious Ivory - 24"x48"

Masterplan Artistic Beige - 12"x24"

Feeling Honey - 8"x40"

#### WALL DESIGN

Veneer World Urban Ledgestone Beige Mix - 6"x24"

Vision Color Lava Red - 3"x12"

#### PLANTER BOX

Elite Oyster Beige - 24"x24"





## 3.2 MASTERPLAN Beige Mix

**PROJECT**

FLOOR DESIGN

Elite Fashion Grey - 12"x24" / 24"x24"

WALL DESIGN

Vision Concrete - 24"x48"

Veneer World Urban Ledgestone Beige Mix - 6"x24"





## 3.2 MASTERPLAN Ash Mix

**PROJECT**

OUTDOOR FLOOR DESIGN  
 Frontier20 Comsolopolitan Ash - 24"x24" / 24"x48"  
 Frontier20 Comsolopolitan Ash Coping Bullnose - 12"x24"  
 OUTDOOR WALL DESIGN  
 Veneer World Urban Ledgestone Ash Mix - 6"x24"  
 benches and planter box  
 Frontier20 Fashion Black - 24"x24"



## 3.2 MASTERPLAN Ash Mix





URBAN LEDGESTONE

URBAN LEDGESTONE

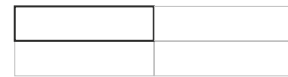
MASTERPLAN

ASH MIX

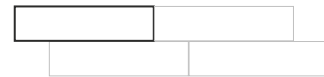


6"x24" •  
± 0.35"/9 mm

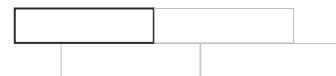
Stack Bond Pattern



1/4 Offset Bond Pattern



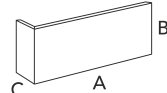
1/3 Offset Bond Pattern



Color shading

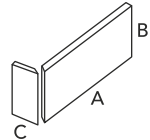


Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

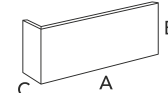
Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

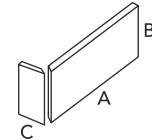
- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

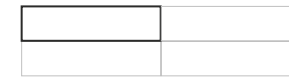
Smart Corner ••



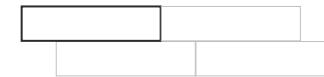
A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"

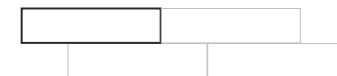
Stack Bond Pattern



1/4 Offset Bond Pattern



1/3 Offset Bond Pattern



Color shading



MASTERPLAN

BEIGE MIX



6"x24" •  
± 0.35"/9 mm





URBAN LEDGESTONE

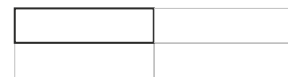
# MASTERPLAN

WHITE MIX

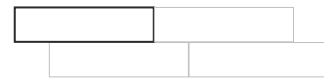


6"x24" •  
± 0.35"/9 mm

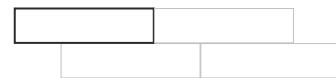
### Stack Bond Pattern



### 1/4 Offset Bond Pattern



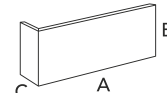
### 1/3 Offset Bond Pattern



### Color shading

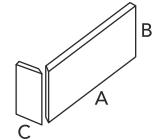


### Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

### Smart Corner ••



A = 20.5"  
B = 6"  
C = 2.75"

- Nominal Size: 5.8"x24"
- Nominal Size: 20.5"x5.8"x2.75"







PORCELAIN  
VENEERS  
**INSTALLATION  
INSTRUCTIONS**







# INDEX

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|----------------------------------------------------------------------|--------|
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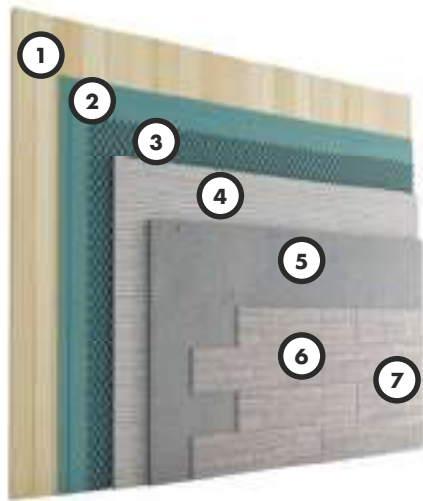


# INSTALLATION SYSTEMS

Landmark's porcelain veneers can be installed on the most utilized backup systems, such as wood and steel framing, cement or concrete masonry unit (CMU) and rigid insulation foam. Although this guide focuses on the installation of Landmark's porcelain veneers on these most traditional backup systems, any properly designed and prepared backup system could be used to receive Landmark's porcelain veneers. Please verify with your architect, structural and civil engineer that the backup system and installation methods comply with Federal, State and Local building codes as well as other rules and regulations that might apply to the project by the law and common sense.

The most traditional backup systems are:

## WOOD FRAME



1. Sheathing
2. Two layers of Water Resistive Barrier (WRB)
3. Metal lath
4. Scratch coat
5. Mortar setting bed
6. Landmark's porcelain veneers
7. Grout joint

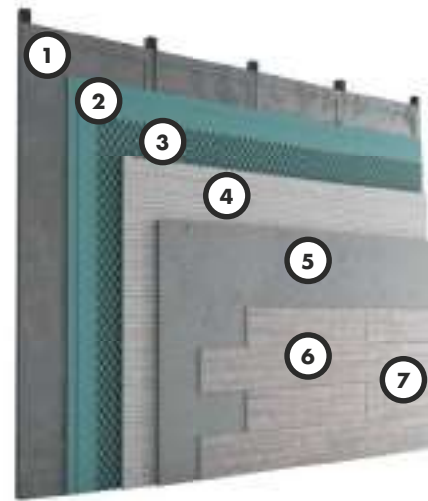
## CONCRETE MASONRY UNIT



1. Mortar applied directly to untreated unpainted masonry, concrete or stucco
2. Landmark's porcelain veneers
3. Grout joints

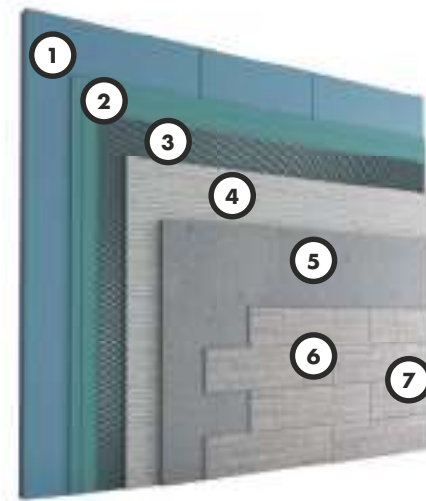
**Note**  
Concrete Masonry Unit must be free from paint, sealer and dirt. Dirty, painted, sealed and smooth surfaces/walls will require additional preparation to address these condition.

## METAL FRAME



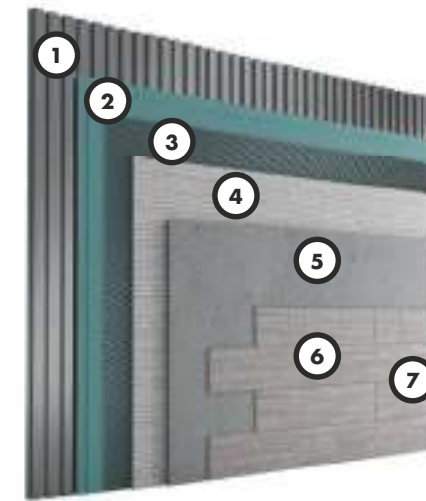
1. Sheathing
2. Two layers of water resistive barrier (WRB)
3. Metal lath
4. Scratch coat
5. Mortar setting bed
6. Landmark's porcelain veneers
7. Grout joint

## RIGID FOAM INSULATION



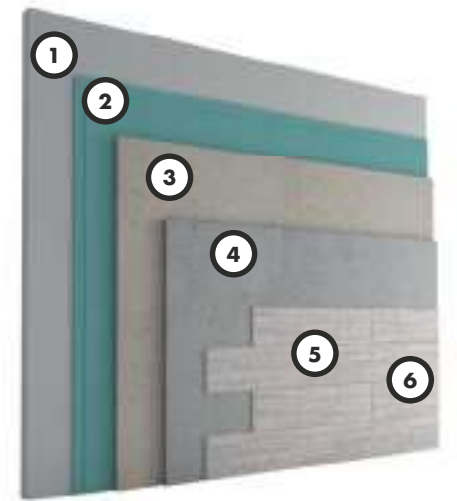
1. Rigid foam insulation
2. Two layers of water resistive barrier (WRB)
3. Galvanized metal lath
4. Scratch coat
5. Mortar setting bed
6. Landmark's porcelain veneers
7. Grout joint

## METAL BUILDING



1. Sheathing
2. Two layers of water resistive barrier (WRB)
3. Galvanized metal lath
4. Scratch coat
5. Mortar setting bed
6. Landmark's porcelain veneers
7. Grout joint

## CEMENT BOARD



1. Sheathing
2. Two layers of water resistant barrier (WRB)
3. Cement board
4. Mortar setting bed
5. Landmark's porcelain veneers
6. Grout joint



## STEP 1 PREPARING THE SURFACE

Verify that the surface on which Landmark's porcelain veneers will be installed is solid and free of any materials that would prevent the porcelain veneer from bonding. Check also that the backup system is capable of supporting the weight of Landmark's porcelain veneers.

The surfaces on which Landmark's porcelain veneer will be applied must have a rough texture to ensure a good mortar bond. If necessary, attaching a lath and applying a scratch coat can bring the surface to a desirable level of roughness. Please note that, whenever a lath is utilized, a scratch coat is needed.

A scratch coat may not be needed over Cement Masonry Unit (CMU) and cement board. If the lath is installed, apply a ½ inch thick layer of mortar ensuring that the mortar completely covers the lath. Scratch the mortar horizontally to create a scratch coat that will help the porcelain veneer to adhere, not only chemically but also mechanically, to the surface.

Before starting the installation, ensure that the Water-Resistant Barrier (WRB) and flashing are correctly installed. It is worth noting that different elements and materials within a structure can react differently in response to temperature and moisture fluctuations or to different loads pressure. In cases where differential movements are expected, such as at the transition between a framed backup system to a concrete masonry unit system, movement joints (control joints and expansion joints) may be needed.

Movement joints must be specified by the architect or the engineer according to ASTM C 1063 control joints requirements. Do not cover the movement joints with Landmark's porcelain veneers as this might lead to cracking.



## STEP 2 ESTIMATING THE PORCELAIN VENEERS REQUIRED

Determine the amount of Landmark's porcelain veneer products needed by calculating the area to be covered. Multiply the length by the height, the result will be the area of the surface to be covered. Subtract square footage for any space that will not be covered such as windows and doors. Measure the height of the corner walls and compute

the linear feet of corners to determine the amount of corner pieces needed. One linear foot of corner pieces covers approximately 2 square feet of surface. Subtract the area covered by the linear feet of corner pieces from the area required. It is suggested to order extra porcelain veneers to allow cutting, trimming and waste.

### FORMULAS

Wall Area = Length × Height

Windows and doors areas = Windows and doors Width × Windows and doors Height

Wall Area Covered by Corners = Linear Feet of Corners Required × 2

Square feet required = Wall Area – Windows and doors Area – Wall Area Covered by Corners

*It is recommended to request extra square feet.*

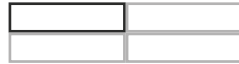




## STEP 3 PLANNING THE LAYOUT

It is recommended, in order to maintain a natural look, to follow a stack bond pattern or a 1/4 offset bond pattern or a 1/3 offset bond pattern when installing Landmark's porcelain veneers and keep the joints as small as possible. Before starting the installation, lay out several pieces on a flat surface to allow proper selection from a variety of sizes, shapes and colors.

STACK BOND PATTERN



1/4 OFFSET BOND PATTERN



1/3 OFFSET BOND PATTERN



## STEP 4 ENSURING A LEVELLED INSTALLATION

The first line of porcelain veneers will determine the levelness of each line above or underneath. To ensure that the porcelain veneers are installed straight use a chalk line: position the chalk line from side to side of the wall at a distance equal to the height of the porcelain veneer plus the desired grout spaces.

Check with the level that you have a straight horizontal line and snap the chalk line. Decide in advance whether you prefer to end up with partial porcelain veneers at the top or at the bottom of the wall.

It is recommended to start the installation from a corner or from the edge of the wall.





## STEP 5 CHOOSING THE CORRECT MORTAR

Choosing the proper mortar is critical to ensure that Landmark's porcelain veneers do not come off and that the bonding agent will not comprise the other essential functions for an exterior coating system (soundproofing, steam barrier, resistance to water, etc.).

For this reason, it is crucial to contact one of the mortar manufacturing companies (Laticrete or Mapei to mention a couple) to find out what solutions they might have available (and consequently guarantees).

Between all the products suggested from the mortar manufacturers for the bonding of the material, it is critical to choose a product that is suited for porcelain tiles for exterior application.

In some cases, the construction norms provide constrains, mandatory precautions and/or limitations on the bonding of construction materials (whether they are tiles, natural stones, manufactured stones, thin brick or other masonry product). Moreover, it is important to remember that the Building Code in the United States poses, for commercial use, a limit on the maximum dimension and weight for the glue bonding (without the assistance of mechanical hooks) of tiles, stone slabs or other materials used for exterior wall covering.

Because of this, it is important that the contractor verifies upfront these constraints keeping in consideration the characteristics of the building and its location.

In any case it is very important to contact the representative of the company manufacturing the mortar up-front to verify that the solution identified by reading the literature is correct, keeping in mind:

- The type of wall that the user is trying to cover (how it is made and what characteristics it presents)
- The type of material that the user wants to utilize (porcelain in this particular case)

### ATTENTION

When contacting the representative of the company manufacturing the mortar, it is important to communicate him or her the thickness, dimension and weight of every piece of porcelain material to be installed (the information is available in the Landmark Ceramic's price list or can be requested directly to Landmark). This way, the glue representative can suggest the best bonding material to the contractor/customer keeping in consideration the characteristics of the material to be installed.

## STEP 6 APPLYING LANDMARK'S PORCELAIN VENEER TO THE SURFACE

After the scratch coat mortar, if present, has cured sufficiently, dampen the wall before starting with the application. No residue of standing water should be left.

**Note:** Landmark's porcelain veneer applications should be protected from temperature below 40°F during and immediately following the installation. The use of anti-freeze admixtures to lower the freezing point of the mortar is not recommended.

Spread a layer of mortar (above the scratch coat if present) on an area about 3 square feet to create the thinset. Use the notched trowel at a 45-degree angle to create an even ridged bed. Then, the porcelain veneer should be firmly pushed into the setting bed mortar, wiggling it a bit as you push to help it adhere.

Mortar should be slightly weeping out from the entire perimeter of each piece after they are installed. Clean excess mortar off of surrounding joints during the installation process.

With the right mortar mix, moisture content and scratch coat preparation, the porcelain veneer will be stable within a few seconds of the setting movement process.

Continue to spread mortar and lay the porcelain veneers onto the rest of the wall in sections, checking with a level that each line of porcelain veneers is leveled. Place spacers between porcelain veneers to ensure even spacing. Tap each porcelain veneer with the mallet to firmly set them.

In exterior application, to guarantee even a more bonding of the unit to the surface, it is possible to back butter the Landmark's porcelain veneer. The back-buttering process consists of covering the entire back, not only the perimeter, of the porcelain veneer with mortar using the flat-end of the trowel. This will ensure a proper adhesion of the porcelain veneer to the surface. Note that, since Landmark' porcelain veneers are non-absorbent material, it is not necessary to wet the piece before the back-buttering process.

It is critical to verify, when creating the mortar bed and back buttering the unit that the mortar is spread evenly on the surfaces to prevent the creation of air bubbles and water infiltration that may lead to cracking.

Once all the porcelain veneers are lay down and the wall is covered let dry the wall for 24 hours.



## STEP 7 GROUTING THE JOINTS

Once the wall is cured, grout the joints. It is critical to use an exterior-grade grout and mixing it according to the manufacturer instruction.

Use a grout float at a 45-degree angle to spread the grout over the wall. After the grout is dried, wipe the excess grout with a sponge.



### **FOCUS ON: STACKED STONE INSTALLATION (TIGHT FITTED ADHERED PORCELAIN VENEER APPLICATION)**

In case of tight fitted adhered porcelain veneers application, always remember to Refer to recommendation included in Step 5 for guidance regarding mortar selection. The back of the porcelain veneer and the scratch coat should be moistened with the surfaces appearing damp but free of standing water. The back of each porcelain veneer should be entirely buttered with mortar to a nominal thickness of 1/2 in. (13 mm). Cover the entire back of the porcelain veneer, not just the perimeter. Buttered porcelain veneers should be firmly worked onto the scratch coat and slid slightly back and forth to set the porcelain veneers. Achieve mortar squeeze out in a volume that results in a full setting bed which covers the scratch coat completely. As an alternative to the back-butter only method, mortar may be troweled onto the scratch coat, completely covering the scratch coat. Or, both mortar application techniques may be combined. The resulting thickness of the scratch coat and setting bed should be nominally 1 in. (25 mm) measured from the outer surface of the WRB (Water Resistive Barrier) to the back surface of the unit. With the proper mortar mix, moisture content and scratch coat preparation, the installer will feel the mortar start to grab within a few seconds of the setting movement process. At this point, no further movement of that porcelain veneer should be made as the bond will be broken. If the porcelain veneer is inadvertently moved after initial set has begun, it should be removed, mortar scraped off the back of the porcelain veneer and scratch coat, and then reinstalled following the application process. Tight fitted porcelain veneers should be applied from the corners toward the middle of a wall, and from the bottom toward the top of the wall.

## CLEANING AFTER INSTALLATION

After grouting the joints, It is important to remove the excess grout with a sponge and clear water. After 12/48 hours, the grout in the joints will have "set up"/hardened significantly. There will be a noticeable residual "haze". Typically, a diluted acid cleaner ideal for removing "Grout Haze", combined with a soft scrubbing pad will remove the majority if not all the "Haze".

Change your acid/water solution frequently for best results. It is also recommended to keep a bucket of clean water to remove the acid/water solution. It is recommended to keep and use clean dry towels to help remove as much residual water and keep the wall as dry as possible.

Please refer to the cleaning chemical company's suggested methods and dilution rates. For areas with excess grout or grout that becomes adhered to the face of the porcelain veneer, further cleaning with an Acid/ Water Solution may be necessary.

Please refer to the Cleaning Chemical Company's instructions as not all acids or chemicals are the same. The excess grout residue must be removed so that it does not dry and stick on the surface. It is necessary to change the cleaning water frequently and rinse well. If such cleaning procedure is not carried out, or if such cleaning is carried out too late, the grout residue could create an absorbent film, which holds dirt, making the surface difficult to clean: in this case, Landmark Ceramics will not be liable for any damage caused to the surface.

## ORDINARY CLEANING

Ordinary maintenance must be carried out using specialized detergents to remove stains but these detergents must not leave a wax, film or membrane residue. Rinsing well with plenty of clean water is a fundamental part of the cleaning procedure, therefore we advise against the use of products which state that they "do not need rinsing".



**RECOMMENDED USE**

Veneer World is recommended for indoor and outdoor walls, in commercial and residential application. Landmark recommends an offset no greater than 30%, if a staggered pattern is required for tiles of 20" inches or longer. Landmark recommends the use of leveler for a proper installation.

**CARE AND MAINTENANCE**

Do not apply any wax or sealer to the product after installation. Regular cleaning is the best way to keep Veneer World tiles looking good. Use clean, hot water (add household cleaner for more aggressive cleaning). Rinse thoroughly and dry with a soft cloth to prevent water spots. Please visit [outdoor.landmarkceramics.com](http://outdoor.landmarkceramics.com). For further information regarding the care and maintenance of Landmark products.












**WARRANTY**

Landmark guarantees that its products will meet or exceed the performance specifications set out in ANSI A137.1- 2012 and in the performance specifications section of the Landmark general catalog. For more information, please visit our website at [outdoor.landmarkceramics.com](http://outdoor.landmarkceramics.com).





**PORCELAIN VENEER PERFORMANCE DATA**

| PHYSICAL PROPERTIES                                                                                                              | TEST ASTM    | NORTH AMERICAN STANDARD A137.1* | RESULTS                 |
|----------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------|-------------------------|
|  Water absorption *                              | C373         | ≤ 0.5%                          | COMPLY WITH ANSI A137.1 |
|  DCOF Average dynamic coefficient of friction ** | ANSI A.326.3 | As reported                     | NOT APPLICABLE          |
|  Resistance to freeze/thaw cycling *             | C1026        | As reported                     | RESISTANT               |
|  Resistance to thermal shock                     | C484         | As reported                     | RESISTANT               |
|  Warpage (edge)                                  | C485         | Warpage ± 0.4%<br>or ± 0.05 in  | COMPLY WITH ANSI A137.1 |
|  Warpage (diagonal)                              | C485         | Warpage ± 0.4%<br>or ± 0.07 in  | COMPLY WITH ANSI A137.1 |
|  Wedging                                         | C502         | ± 0.25% or ± 0.03 in            | COMPLY WITH ANSI A137.1 |
|  Chemical resistance                             | C650         | As reported                     | UNAFFECTED              |
|  Resistance to stain                             | C1378        | As reported                     | UNAFFECTED              |
|  Thickness                                     | C499         | Range: 0.04 in                  | COMPLY WITH ANSI A137.1 |
|  Breaking strength                             | C648         | 250 lbf or greater              | COMPLY WITH ANSI A137.1 |

\* Average values referred to our production and related to the matt finish of the product.

- Be sure to use tiles belonging to the same caliber.
- Test results are available on request.
- The information provided can be subject to change. Please refer to one of our websites ([lusa.com](http://lusa.com) or [outdoor.landmarkceramics.com](http://outdoor.landmarkceramics.com)) for the latest, most accurate and up-to-date information.







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