

CUSTOMISED SOLUTIONS

Engineered Cement Composite Stone Cladding Solutions

Cladall

cladall.tenova.ae

MADE IN
UAE



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LS1



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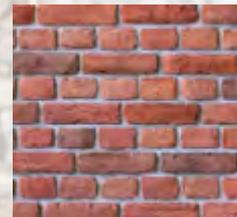
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PREFACE

Our products are made of all-coloured concrete of strength class of minimum of C15-20 so they are equally suitable for use in the exterior and the interior facades.

High quality European origin raw materials including white cement, special sand, German Pigments...etc are used, coupled with High Quality mould system and highly innovative automatised sandblasting units enables us to achieve the required performance and aesthetics of the product. Colour fastness is guaranteed by the manufacturer of BAYER pigments for a period of upto 10+ years. The tiles can also be permanently washed or submerged into water.

Thanks to the technology used and the First-class selection of individual components, this is the highest quality facing stone. The high accuracy of the tile formats enables their quick and efficient installation with subsequent easy maintenance.



A photograph of a stone wall with a decorative lantern and a bicycle. The wall is made of natural stone blocks, and the lantern is a classic, ornate design. A bicycle is leaning against the wall. The background shows a dark, wooded area.

Reduced weight designs,
reliefs and textures emulating
Natural Rock and Stone
Aesthetics with the
performance & durability of
Concrete with Corner Panels

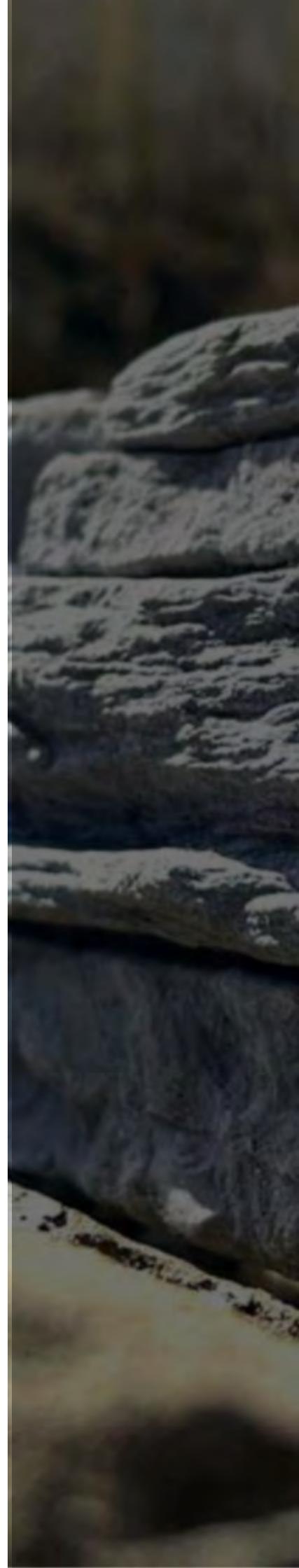
UAE PRODUCTION
EUROPEAN STANDARDS

ENGINEERING PRODUCTION INSTALLATION

HIGHLIGHTS & HISTORY

Key Highlights of the Product

- ✓ Reduced weight compared to Natural rock/stone cladding and facing elements.
- ✓ Produced in Single or tile format (group of stone cast as a single panel) to enable easy packing, logistics and faster installations and accuracy at site.
- ✓ High Quality ingredients enables to ensure consistent texture, color, durability and strength performance.
- ✓ BAYER color pigment ensures a color warranty of 10+ years.
- ✓ Customization available for color options.
- ✓ UAE Production Centres ensures full control of supply chain with current capacity of 4k+ Sqmtr/month and scalability upto 6k+ Sqmtr/month.
- ✓ Innovative Automised Technology with the unique sandblasting technology applied to the back surface of each tile significantly increases adhesion, ensuring reliable fixation on the wall.



What we offer?

- ✓ Full Cycle Facade Solution
- ✓ Engineering Proposals
- ✓ UAE Production, Quality Control & Logistics
- ✓ Planning & Project Management
- ✓ Training, Mock Ups and Site Installation/ Supervision
- ✓

With a strong foundation built over 18 years in Russia and Europe, our production company expanded to the UAE in 2024, bringing a new dimension to the region's architectural landscape. While our stone veneer concept is relatively new to the UAE, our team is far from new to delivering excellence in large-scale construction.

Backed by 75+ years of combined UAE experience, our core team has been instrumental in executing multi-billion-dollar projects, including some of the region's most iconic and world-class developments. Our expertise spans facades, intricate theming, and full-scale construction, covering GFRC, GRP, composites, rock theming, precast concrete, EIFS, ACP, and more.

With this deep industry knowledge and proven project delivery, we are ready to redefine façade aesthetics in the UAE & Middle East region with our innovative stone veneer solutions.



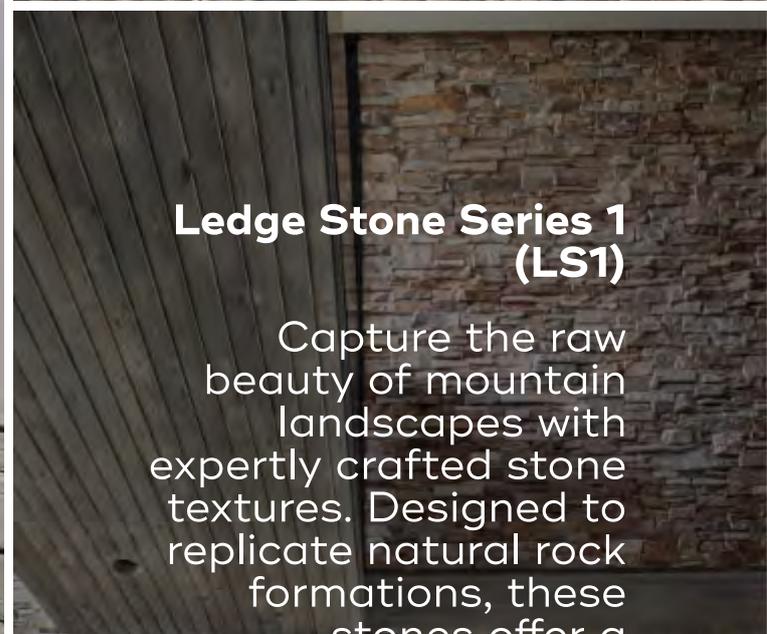
Perfecting the Art of Cultured & Curated Stone Veneer.

LS1

LEDGE STONE SERIES

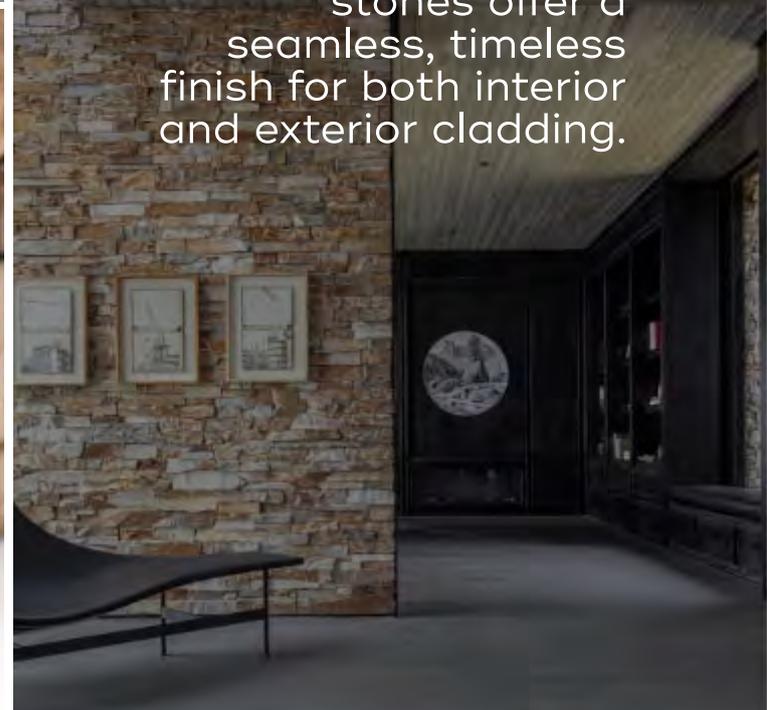


LS1



**Ledge Stone Series 1
(LS1)**

Capture the raw beauty of mountain landscapes with expertly crafted stone textures. Designed to replicate natural rock formations, these stones offer a seamless, timeless finish for both interior and exterior cladding.



LEDGE STONE SERIES 1 (LS1)



01/01



01/02



01/03



01/04



01/05



01/06



01/07



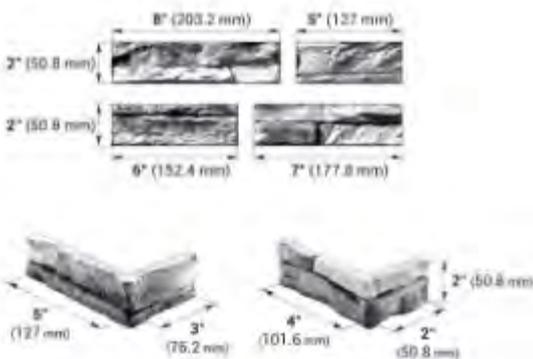
01/08



01/09



DIMENSIONAL ASPECTS - PROPORTIONALITY



- ✓ Customize & Bespoke Design
- ✓ Relief
- ✓ Color Palettes
- ✓ Patterns

LS1

Where Ingenuity Meets Excellence

A stack of light-colored stone tiles, possibly travertine, is shown. The tiles have a natural, porous texture and are arranged in a stack. A thin black line with a small circle at the end points from the text 'SPECIAL CORNER ELEMENTS' to a specific corner piece of the stack.

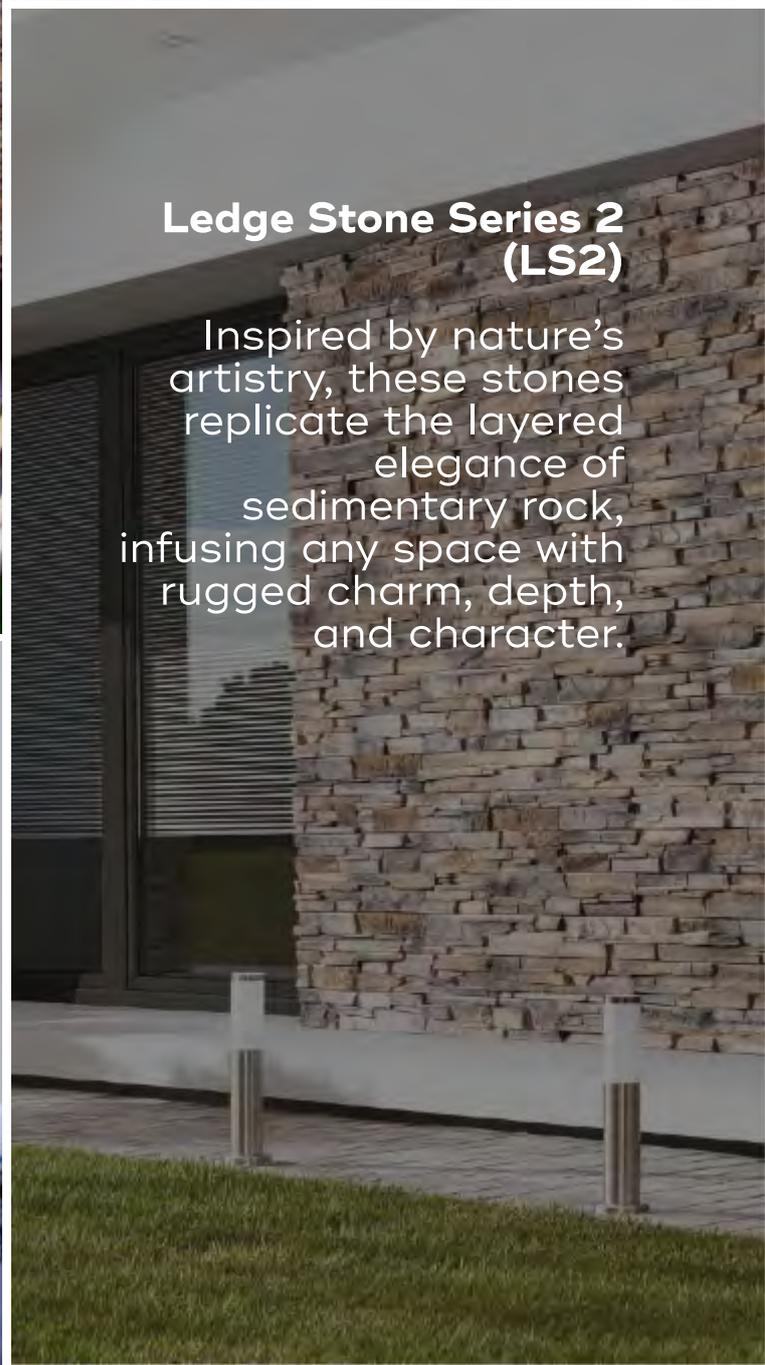
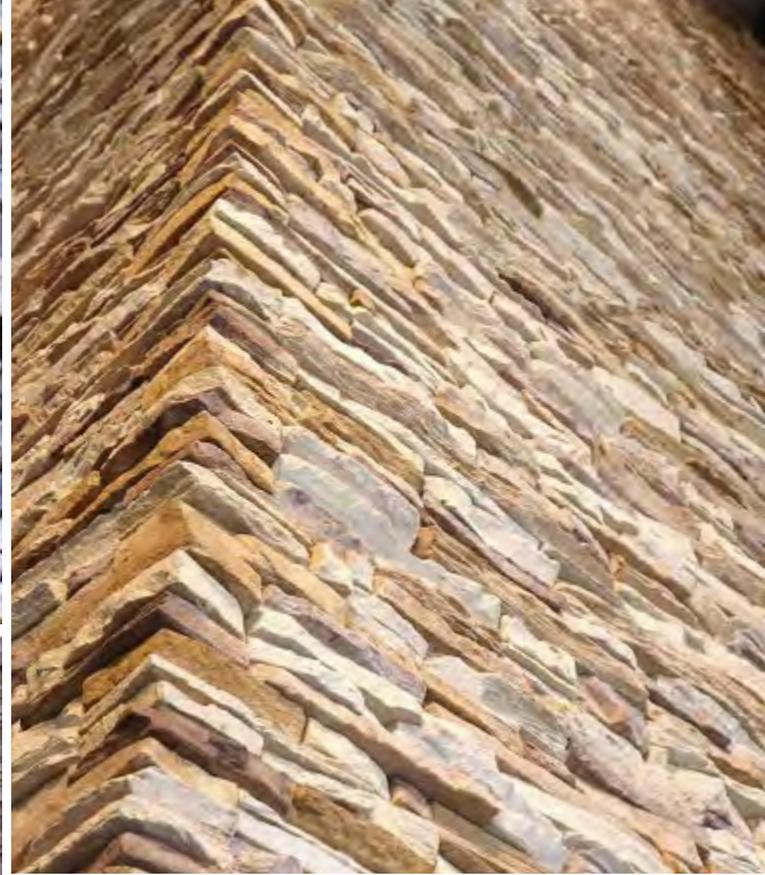
**SPECIAL CORNER
ELEMENTS**

LS2

LEDGE STONE SERIES



LS2



**Ledge Stone Series 2
(LS2)**

Inspired by nature's artistry, these stones replicate the layered elegance of sedimentary rock, infusing any space with rugged charm, depth, and character.



LEDGE STONE SERIES 2 (LS2)



02/01



02/02



02/03



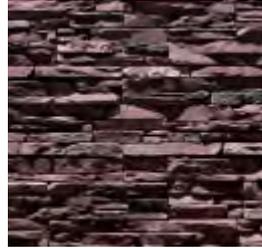
02/04



02/05



02/06



02/07



02/08



02/11



02/12

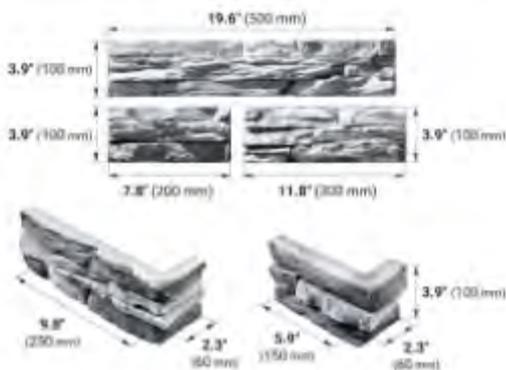


02/14



02/16

DIMENSIONAL ASPECTS - PROPORTIONALITY



- ✓ Customize & Bespoke Design
- ✓ Relief
- ✓ Color Palettes
- ✓ Patterns

LS2

Transforming Elevations

Introduction of Stone Vener facades on elevations increases property value by avg.

10-20%

Reduced weight with designs, reliefs and textures emulating Natural Rock and Stone Aesthetics.

With the performance & durability of Concrete

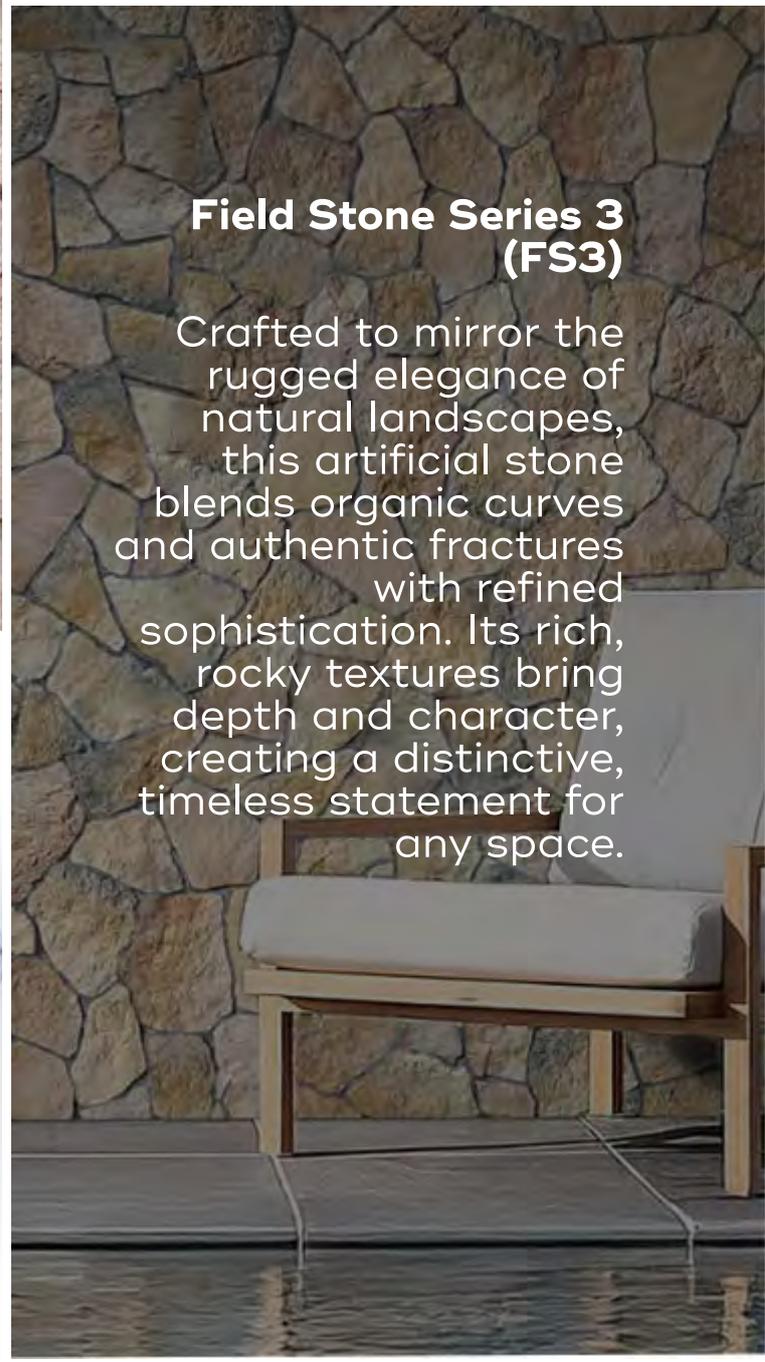
cladall.

FS3

FIELD STONE SERIES



FS3



**Field Stone Series 3
(FS3)**

Crafted to mirror the rugged elegance of natural landscapes, this artificial stone blends organic curves and authentic fractures with refined sophistication. Its rich, rocky textures bring depth and character, creating a distinctive, timeless statement for any space.



FIELD STONE SERIES 3 (FS3)



03/01



03/02



03/03

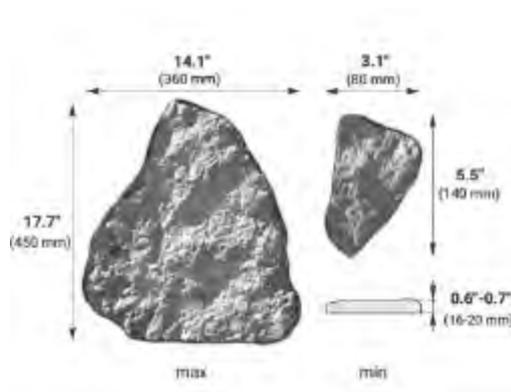


03/04



03/05

DIMENSIONAL ASPECTS - PROPORTIONALITY



- ✓ Customize & Bespoke Design
- ✓ Relief
- ✓ Color Pallets
- ✓ Patterns

Affordable Luxury, Unmatched Durability

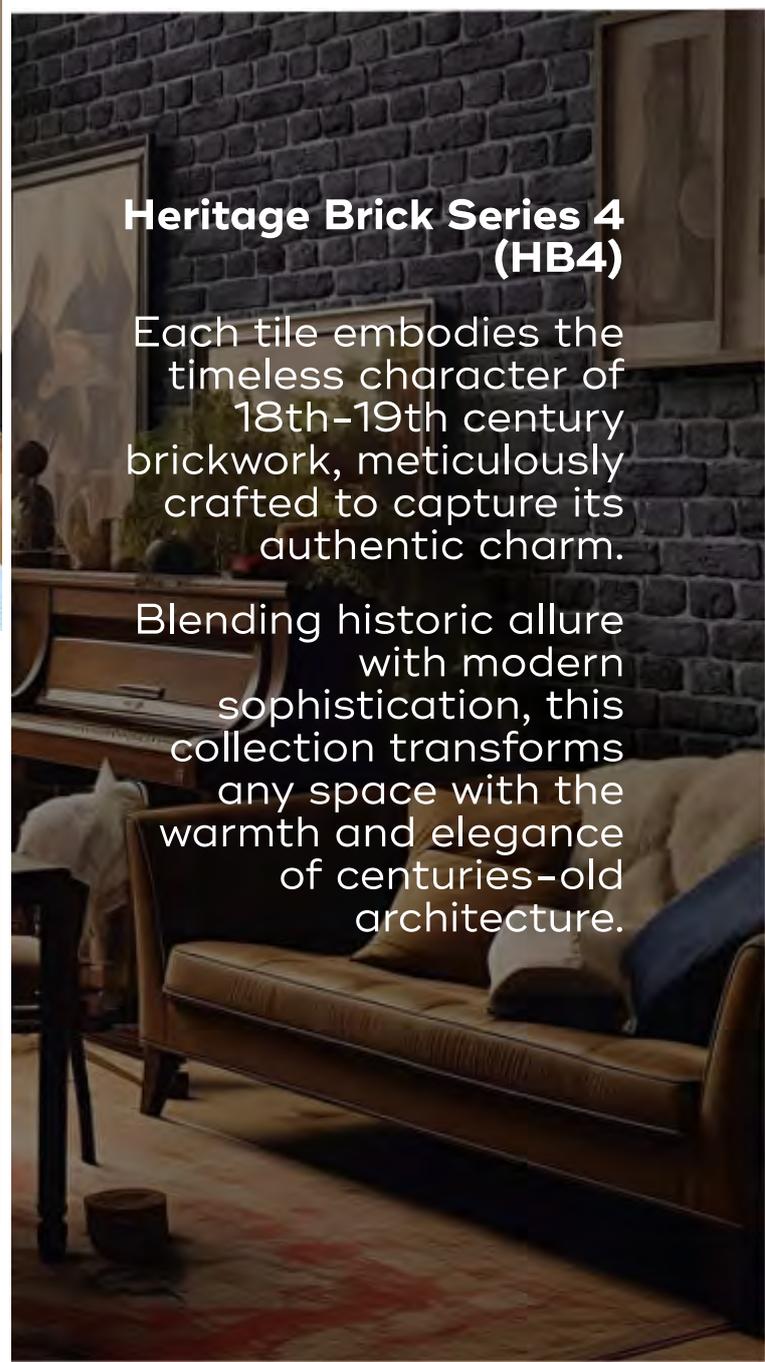
SPECIAL CORNER
ELEMENTS

HB4

HERITAGE BRICK SERIES



HB4



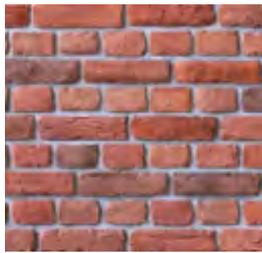
**Heritage Brick Series 4
(HB4)**

Each tile embodies the timeless character of 18th-19th century brickwork, meticulously crafted to capture its authentic charm.

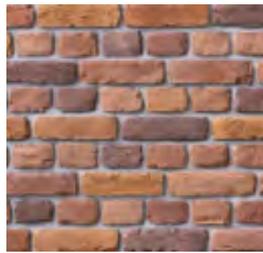
Blending historic allure with modern sophistication, this collection transforms any space with the warmth and elegance of centuries-old architecture.



HERITAGE BRICK SERIES 4 (HB4)



04/01



04/02



04/03



04/04



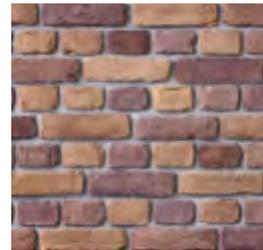
04/05



04/06



04/07



04/08



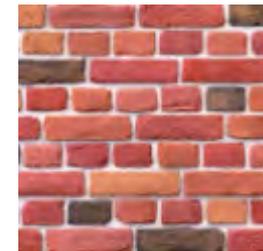
04/09



04/10



04/11



04/12

DIMENSIONAL ASPECTS - PROPORTIONALITY



- ✓ Customize & Bespoke Design
- ✓ Relief
- ✓ Color Pallets
- ✓ Patterns



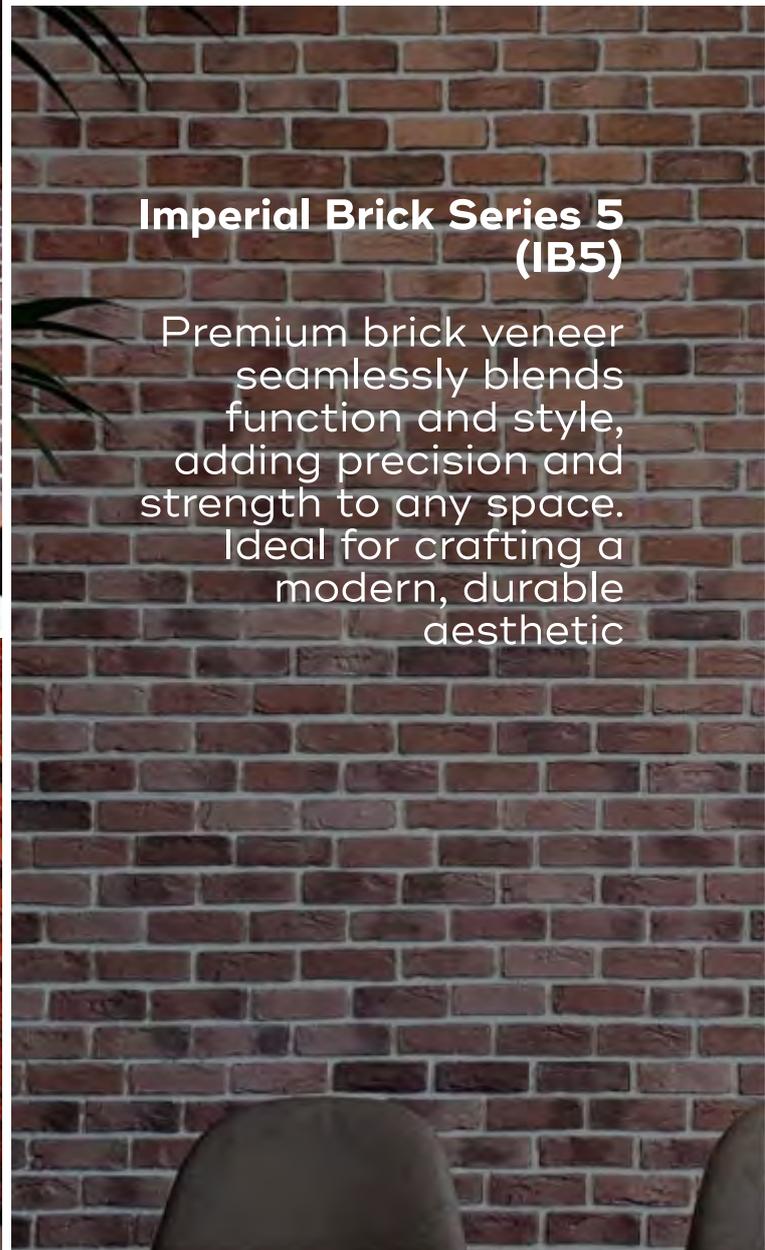
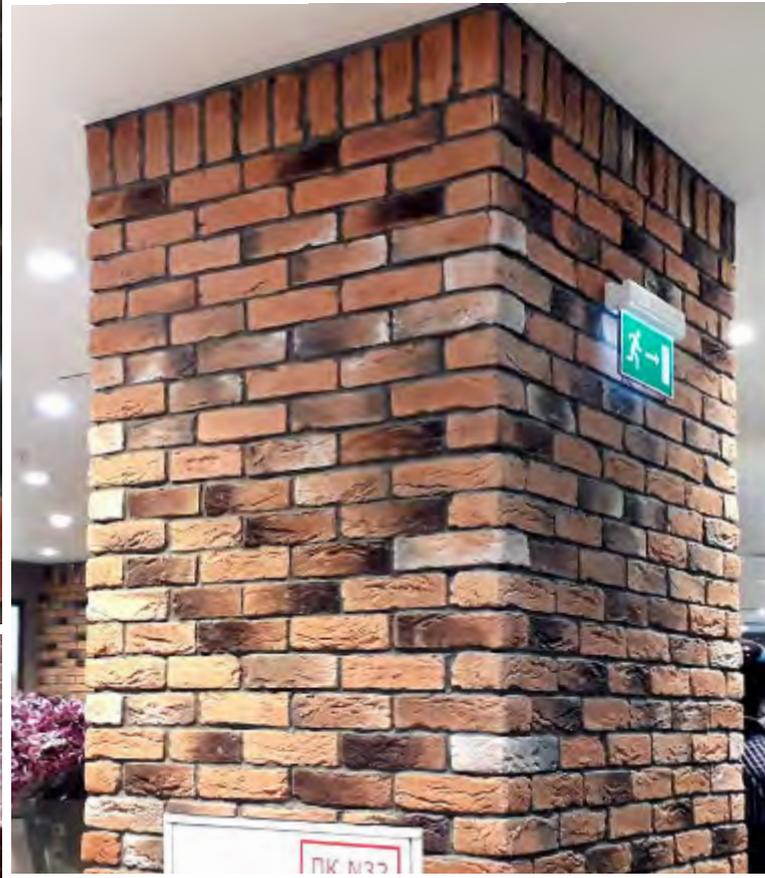
Relentless Quality, Unmatched Aesthetics

IB5

IMPERIAL BRICK SERIES



IB5

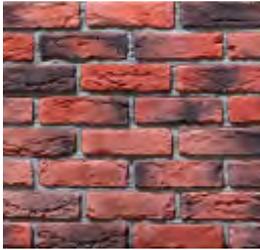


**Imperial Brick Series 5
(IB5)**

Premium brick veneer seamlessly blends function and style, adding precision and strength to any space. Ideal for crafting a modern, durable aesthetic



IMPERIAL BRICK SERIES 5 (IB5)



05/01



05/02



05/03



05/04



05/05



05/06



05/07



05/08

DIMENSIONAL ASPECTS - PROPORTIONALITY



- ✓ Customize & Bespoke Design
- ✓ Relief
- ✓ Color Palettes
- ✓ Patterns

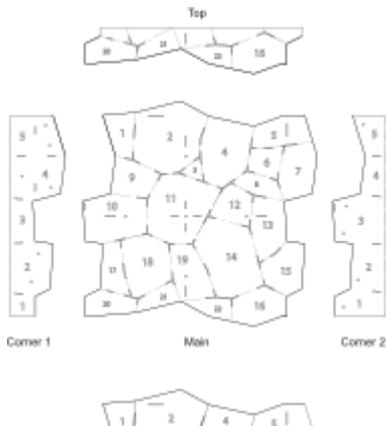
IB5

Preface: *This document provides a general overview of the production and installation of **FSO3-03/01 Field Stone Patterns** and shall not be used for construction purposes. A detailed method statement will be provided specific to the project requirements as part of the project submittals during the construction submission stage*

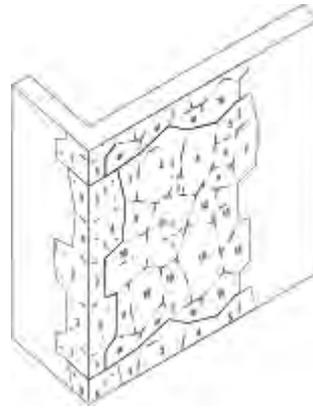
- **Design & Customization**
 - Collaborate with architects/designers to finalize facade designs, focusing on unique textures, reliefs, and color palettes tailored to the villa's aesthetic.
 - Create detailed drawings and mock-ups to visualize the final look.
 - Approve sample panels showcasing custom finishes before full-scale production.
- **Precision Production Planning**
 - Organize production based on the installation sequence to ensure a seamless workflow.
 - Each stone is individually engineered to fit specific facade sections, incorporating custom reliefs and textures.
 - Implement color batching to maintain consistency across all panels.
- **Fabrication & Detailing**
 - Produce cement stone panels using high-quality molds reflecting the customized designs.
 - Apply pigmented mixes and treatments for the desired color and texture.
 - Number and label each panel corresponding to the installation sequence.
- **Pre-Installation Preparation**
 - Use the provided stencil template and numeric markings on tiles to position each tile according to the approved design patterns.
 - Conduct a dry-fit if necessary to ensure alignment and fit accuracy.
 - Prepare the surface with the appropriate adhesives.
- **Installation & Finishing**
 - Apply high-performance cementitious adhesive evenly on the back of each tile and press firmly onto the substrate.
 - Control the corners and extend coverage along the walls using field stone corner veneer panels for a seamless and cohesive design.
 - Ensure alignment and levelling of each tile to achieve the desired irregular rock pattern.
 - Conduct on-site adjustments to ensure perfect alignment of relief patterns and consistent color flow.
 - Final finishing touches cleaning, and an inspection for quality assurance.

We designed and developed a stencil/template system to streamline installation, ensuring both ease and accuracy. Each tile is numbered to align seamlessly with the corresponding stencil markings, much like a pre-arranged jigsaw puzzle. This system preserves the natural, random appearance of a field stone pattern while maintaining consistency in positioning, joint gaps & alignment throughout the installation process. Additionally, the tiles are packed in a way that supports this process, further enhancing efficiency. This approach significantly reduces installation time compared to traditional random cutting on-site.

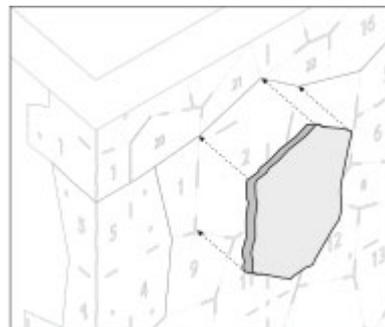
Process Illustrations



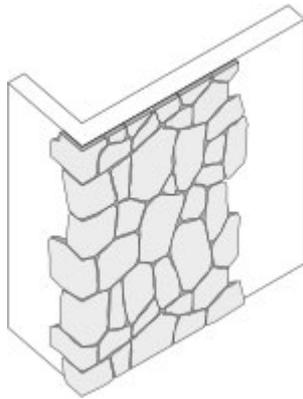
Set of Stencils for Placement



Marking the Wall using the Set of Stencils



Put the numbered stones in their places



Finish the Facade



FS3

KEY TECHNICAL SPECIFICATION

This section outlines the technical specifications for engineered cement stone cladding products, which are designed to combine durability, aesthetic appeal, and performance. The products are manufactured using high-quality materials and engineered to meet stringent standards for strength, durability, and environmental resistance. Below are the key ingredients and characteristics that define the product's quality and performance.

Key Ingredients:

- **OPC (Ordinary Portland Cement):** Provides the binding base for the cladding material.
- **Sand:** Ensures a fine, workable texture and contributes to the overall strength.
- **Crushed Stone:** Adds structural integrity and enhances durability.
- **Inorganic Oxide Pigments:** Imparts color consistency and UV resistance.

Key Characteristics:

- **Compressive Strength:** 15–20 MPa, ensuring robust structural performance.
- **Water Absorption:** 6% – 10%, providing resistance to moisture penetration.
- **Freeze/Thaw Durability:** Withstands 150 cycles, making it suitable for harsh climates.
- **Density:** 2,200 Kg/m³, ensuring a solid and durable finish.
- **Other Characteristics:** Compliant with Cement Concrete Grade standards for quality and performance.

These specifications ensure that the engineered cement stone cladding products deliver exceptional performance, longevity, and aesthetic versatility for a wide range of architectural applications.





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