

QUTONE
INNOVATIONS & MORE...

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iCLAD
FACADE & BEYOND

Designing
a Better
Facade

QUTONE
INNOVATIONS & MORE...

www.qutoneceramic.com

WHY iCLAD[®] IS ALWAYS PREFERABLE?

Our exterior façade cladding solutions offer a contemporary appearance combined with exceptional technical performance. Utilizing iCLAD sintered stone panels, our façade systems seamlessly integrate aesthetics with advanced technology. The extensive range of collections and colours ensures adaptability to any architectural context and building type.

iCLAD sintered stone surfaces have set a new standard in the exterior façade industry, particularly for ventilated façades, by merging technical excellence with elegant design. Engineered to provide innovative cladding solutions for residential, commercial, and industrial buildings, iCLAD ensures durability, weather resistance, low maintenance, and a modern, sophisticated aesthetic.

iCLAD façade cladding solutions are the ideal choice for delivering superior performance in energy efficiency, mechanical stress resistance, and protection against wear & tear, chemicals, UV and weather.

iCLAD's standardized semi-unitized system is designed to support projects aiming for green building certifications. Its rear-ventilated façade system improves thermal efficiency, helping to reduce the demand on air conditioning and achieving substantial energy savings. The effectiveness of these savings can vary depending on factors such as area and scope of cladding, the building's orientation and the sunpath.

iCLAD Interior Cladding Systems provide a modular, dry cladding solution designed for quick and effortless installation. These systems are assembled on-site, offering a surface that is both antimicrobial and resistant to graffiti. Their innovative design makes iCLAD the preferred choice for internal wall applications, combining efficiency with advanced surface protection.

iCLAD
FACADE & BEYOND

by

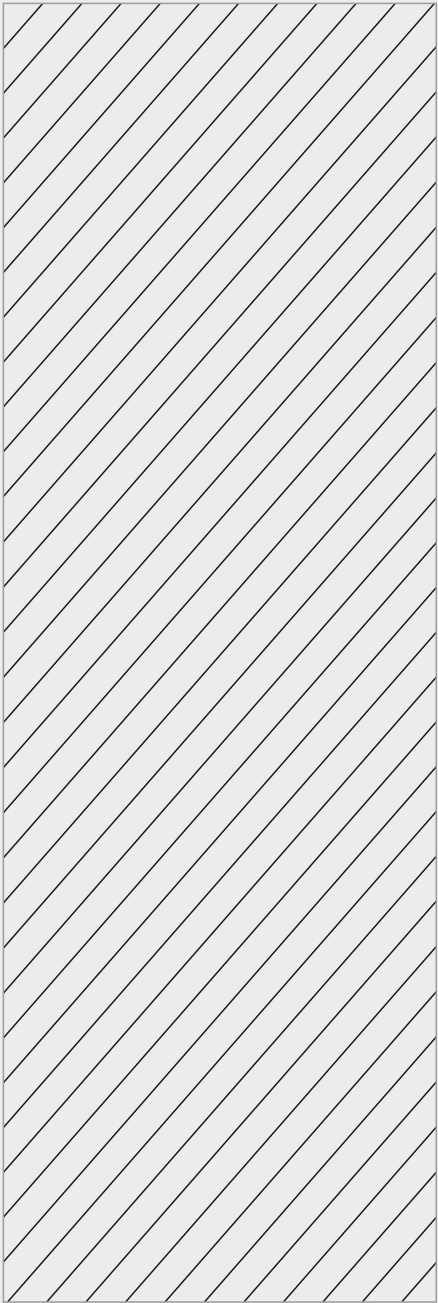
QUTONE





iCLAD SINTERED STONE COMES IN TWO UNIQUE SIZES OF

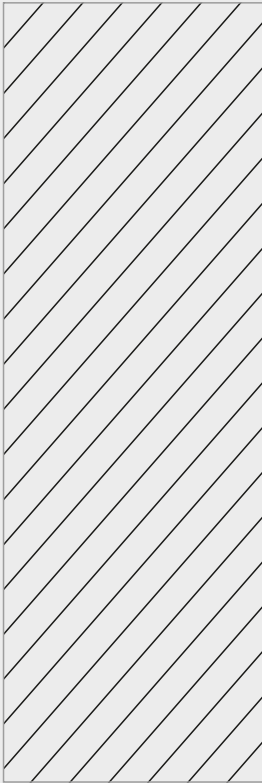
3000 mm x 1000 mm



iCLAD sintered stone panels are available in two versatile sizes, 3000 mm x 1000 mm and 1800 mm x 600 mm, catering to a broad range of design requirements. These dimensions allow architects and designers to select the ideal size for their specific projects, ensuring seamless integration and adaptability to various architectural contexts.

The larger 3000 mm x 1000 mm panels are perfect for expansive surfaces, providing a sleek, continuous look, while the 1800 mm x 600 mm panels offer greater flexibility for smaller or intricate designs. Both sizes maintain the exceptional durability, weather resistance, and aesthetic appeal that define iCLAD's superior façade cladding solutions.

1800 mm x 600 mm



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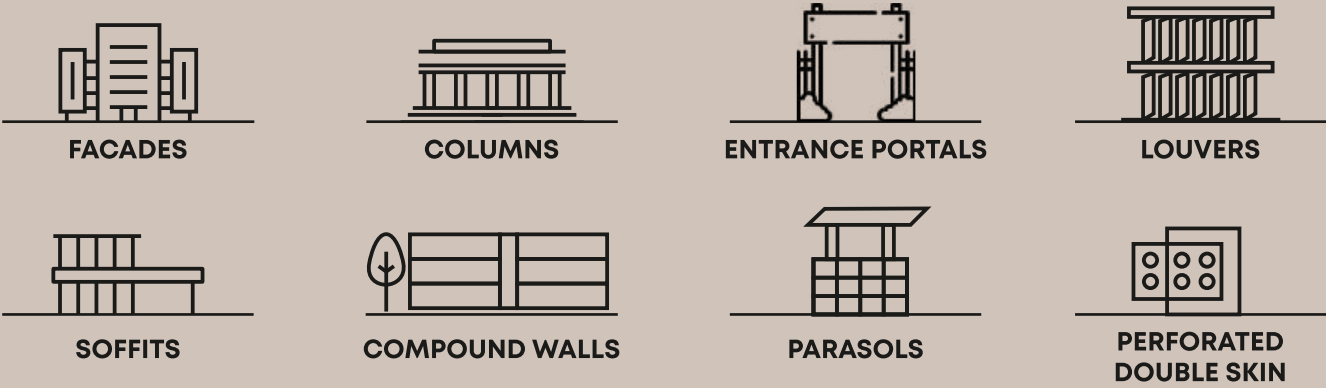
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UNVEILING A WORLD OF POSSIBILITIES

Unlock endless design applications with iCLAD's sintered stone panels, perfect for both expansive exterior façades and intricate interior spaces. Ideal for residential, commercial, and industrial projects, iCLAD panels ensure unmatched durability and weather resistance. Transform building exteriors, interior walls, and architectural features with iCLAD's innovative cladding solutions. Experience the fusion of aesthetics and performance, bringing your architectural visions to life with stunning and enduring results.



DESIGNING WITH iCLAD

Whether embarking on a new design or a refurbishment project, iCLAD offers an extensive range of sintered stone panels for exterior façade cladding, available in varying thicknesses to meet diverse needs while complying with all applicable regulations.

Inspired by nature, iCLAD collections have evolved over time to include new textures and finishes, catering to the creativity of designers, architects, and those seeking to enhance their spaces with high-performance, aesthetically superior solutions.

Each product features a purpose-designed section containing BIM objects dedicated to BIM design.

These BIM information models are strategic resources that iCLAD shares to support architects and designers, assisting them in the decision-making process as they select the ideal surfaces for their designs. Thanks to the inherent properties of sintered stone, iCLAD exterior façade claddings offer superior surface durability and weather resistance.

iCLAD panels withstand heat, high temperatures, and sudden thermal changes. Additionally, their low surface porosity ensures resistance to moisture and UV rays, maintaining their colours over time and enhancing every design for years to come.

VENTILATED FAÇADES

A ventilated façade system is a durable, multi-layered construction method featuring a ventilated air gap between its layers. This system typically consists of an external wall cladding and rear insulation material, separated by an air gap. This gap provides several critical benefits, such as energy savings, enhanced aesthetic durability, and noise reduction for the building.

Additionally, the air gap helps eliminate surface condensation and moisture, thereby reducing indoor humidity and enhancing occupant comfort.

The effectiveness of ventilated façade also depend on the window to wall ratio, building orientation & sunpath too.

Acting like a chimney, the air gap helps reduce heat absorption in the summer and retains warmth in the winter, promoting continuous airflow that lowers indoor temperatures. Solar radiation is partially reflected by the cladding, air gap, and insulation, resulting in reduced heating and cooling loads and greater energy efficiency.

Ventilated façades are a versatile choice for both new constructions and retrofits, offering a blend of aesthetic appeal and functional benefits. Available in a wide range of colors, textures, and designs, these lightweight systems make installation and repairs quick and efficient.

KEY ADVANTAGES:

Energy Efficiency

The ventilated air cavity helps regulate internal temperatures by minimizing thermal bridges, cutting energy consumption by up to 30%. This reduces heating and cooling loads, leading to significant cost savings over time.

Moisture Control

Continuous airflow in the air gap dissipates moisture, preventing mold and other damp-related issues, thereby extending the building's life and ensuring a healthier indoor environment.

Weather Resistance

The air gap serves as a barrier against weather elements, particularly rain, preventing water from seeping into the building structure. This is especially beneficial in high-rainfall areas, where it helps maintain the building's integrity.

Noise Reduction

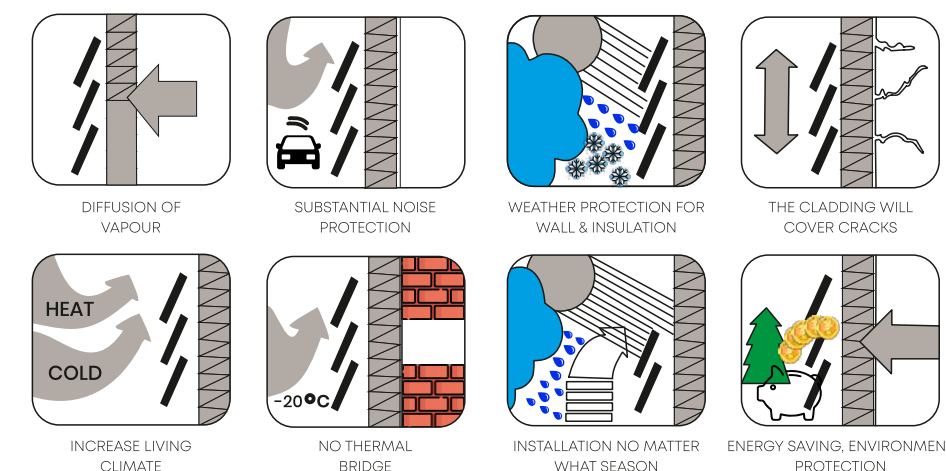
The multi-layered structure of ventilated façades, including a facing layer, air gap, and insulation, effectively reduces external noise by 10-20%, creating a quieter indoor environment, especially in noisy urban settings.

Durability and Sustainability

Materials like sintered stone are both aesthetically pleasing and highly durable, resisting chemicals, pollutants, dust, and UV radiation. These eco-friendly options are increasingly popular in India for sustainable building practices.

Low Maintenance

Unlike traditional cladding, ventilated façades require minimal upkeep, usually limited to occasional cleaning with soap and water, ensuring long-term cost efficiency and preservation of appearance.



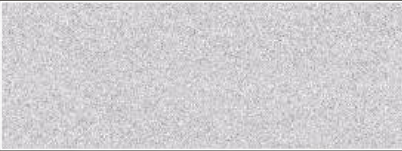
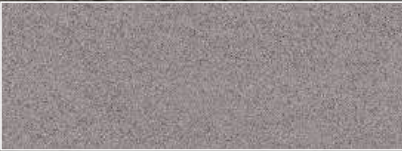
INTRODUCING

Absolute Collection

Available Sizes :

3000 mm x 1000 mm | 1800 mm x 600 mm | Thickness : 6mm

"Exuding timeless sophistication, the Absolute Collection is a masterpiece of flawless precision. With its perfect balance of luxury and durability, it offers a refined aesthetic that elevates any space, making it the ultimate choice for those seeking elegance without compromise."

	
ABSOLUTE CHARCOAL	ABSOLUTE NATURAL
	
ABSOLUTE COTTON	ABSOLUTE PEARL
	
ABSOLUTE ASH	





ABSOLUTE COTTON

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





ABSOLUTE COTTON | 3000 mm x 1000 mm



ABSOLUTE PEARL

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





ABSOLUTE PEARL | 3000 mm x 1000 mm



ABSOLUTE CHARCOAL

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





ABSOLUTE CHARCOAL | 3000 mm x 1000 mm



ABSOLUTE NATURAL

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





ABSOLUTE NATURAL | 3000 mm x 1000 mm



ABSOLUTE ASH

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





ABSOLUTE ASH | 3000 mm x 1000 mm

INTRODUCING

Terrain Collection

Available Sizes :

3000 mm x 1000 mm | 1800 mm x 600 mm | Thickness : 6mm

"Drawing inspiration from nature's raw beauty, the Terrain Collection showcases earthy tones and organic textures that seamlessly bring the outdoors inside. This collection celebrates the natural world, offering a serene yet bold design language that transforms any space into an oasis of tranquility."



TERRAIN NATURAL



TERRAIN ASH



TERRAIN CREMA



TERRAIN ASPEN



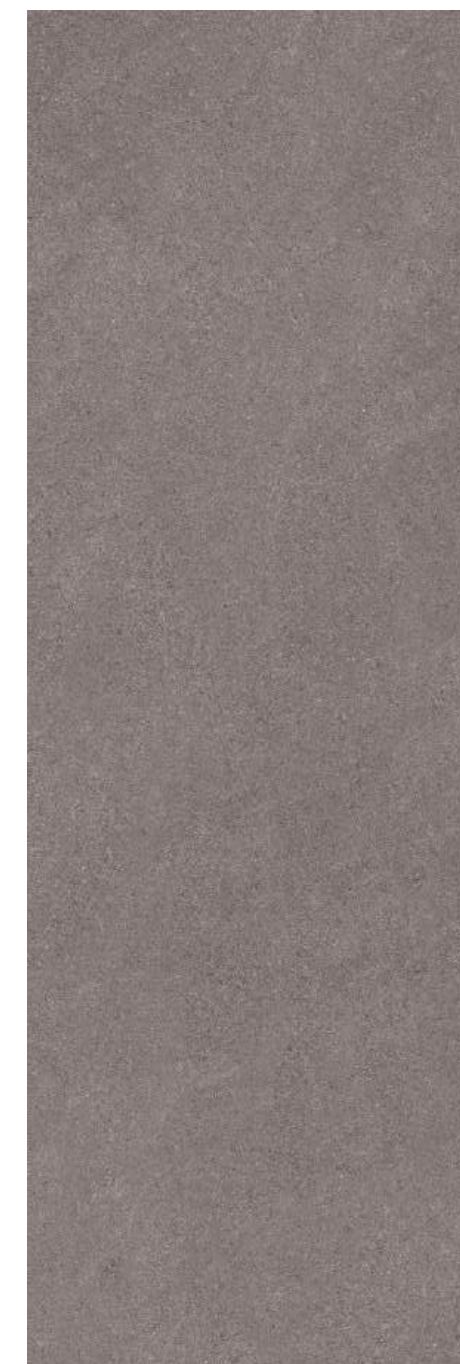
TERRAIN PEARL



TERRAIN NATURAL

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





TERRAIN NATURAL | 3000 mm x 1000 mm



TERRAIN ASH

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





TERRAIN ASH | 3000 mm x 1000 mm



TERRAIN CREMA

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





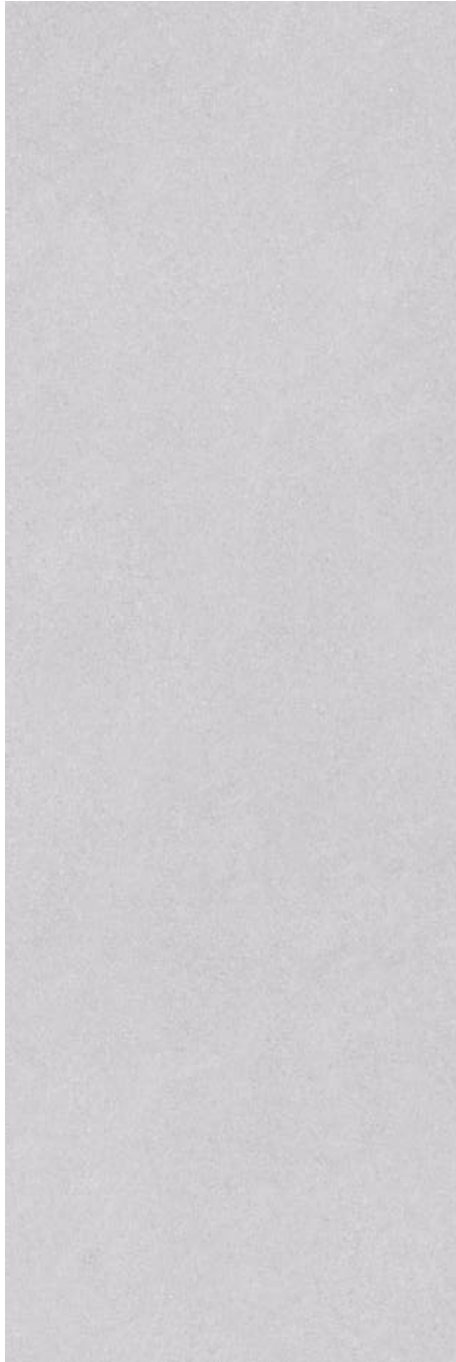
TERRAIN CREMA | 3000 mm x 1000 mm



TERRAIN ASPEN

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





TERRAIN ASPEN | 3000 mm x 1000 mm



TERRAIN PEARL

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





TERRAIN PEARL | 3000 mm x 1000 mm

INTRODUCING

Cemento Collection

Available Sizes :
3000 mm x 1000 mm | 1800 mm x 600 mm | Thickness : 6mm

"Designed for those who appreciate raw, industrial beauty, the Cemento Collection brings the essence of urban design into refined spaces. With its understated charm and rugged texture, this collection is a perfect fusion of modernity and sophistication, ideal for creating contemporary environments."





CEMENTO ASH

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CEMENTO ASH | 3000 mm x 1000 mm



CEMENTO HAZE

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CEMENTO HAZE | 3000 mm x 1000 mm



CEMENTO WALNUT

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CEMENTO WALNUT | 3000 mm x 1000 mm



CEMENTO DAWN

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CEMENTO DAWN | 3000 mm x 1000 mm



CEMENTO GRIS

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CEMENTO GRIS | 3000 mm x 1000 mm



CEMENTO NATURAL

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CEMENTO NATURAL | 3000 mm x 1000 mm

LIMITLESS DESIGN OPPORTUNITIES

Step into a world of boundless design possibilities, where artistry and precision come together to redefine your space.



CARBON MOSS



CARBON RUST



CARBON TEAL



PRISTINE TRAVENTINO



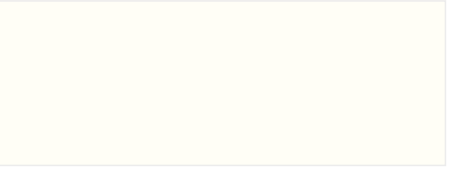
PRISTINE TRAVENTINO ART



ACERO BRICH



ACERO ORANGE



ASTRO BIANCO



ASTRO CLINO



URBAN GRIGIO



TRAVERTINO NATURALE



MONTFLAKE BIANCO



MONTFLAKE GRIS ART





CARBON MOSS

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CARBON MOSS | 3000 mm x 1000 mm



CARBON RUST

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CARBON RUST | 3000 mm x 1000 mm



CARBON TEAL

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





CARBON TEAL | 3000 mm x 1000 mm



PRISTINE TRAVENTINO

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





PRISTINE TRAVENTINO | 3000 mm x 1000 mm



PRISTINE TRAVENTINO ART

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





PRISTINE TRAVENTINO ART | 3000 mm x 1000 mm



ACERO BRICH

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





ACERO BRICH | 3000 mm x 1000 mm



ACERO ORANGE

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Oslo





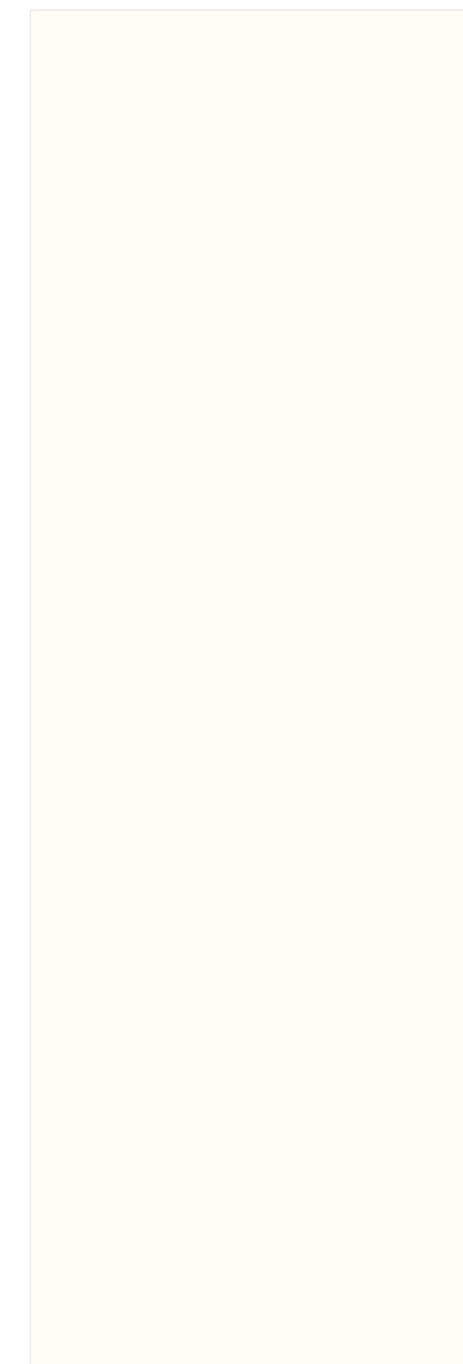
ACERO ORANGE | 3000 mm x 1000 mm



ASTRO BIANCO

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Tech Matte





ASTRO CLINO

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Tech Matte





ASTRO CLINO | 3000 mm x 1000 mm



URBAN GRIGIO

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Tech Matte





URBAN GRIGIO | 3000 mm x 1000 mm



TRAVERTINO NATURALE

Available Size :
3000 mm x 1000 mm | 1800 mm x 600 mm

Finish : Tech Matte





TRAVENTINO NATURALE | 3000 mm x 1000 mm



MONTFLAKE BIANCO

Available Size :
1800 mm x 600 mm

Finish : Oslo





MONTFLAKE BIANCO | 1800 mm x 600 mm



MONTFLAKE GRIS ART

Available Size :
1800 mm x 600 mm

Finish : Oslo





MONTFLAKE GRIS ART | 1800 mm x 600 mm

iCLAD PANELS

Product Specifications

Material : Sintered Stone Panels

Thickness : 6mm

Standard Compliance : Manufactured under BIS standards IS 15622: 2017

Available Sizes : 3000 mm x 1000 mm | 1800 mm x 600 mm

Manufacturing Process : iCLAD panels are crafted through an advanced hydraulic pressing process, applying over 40,000 tons of pressure to achieve a vitreous surface with remarkable hardness, minimal porosity, and enhanced flexural strength. This precision-driven process involves meticulous raw material blending, moisture extraction, and glazing. The sintering process occurs at temperatures around 1200°C, followed by precise edge cutting. The result is the distinctive "iCLAD Tech Matte" finish, a sandblasted matte surface that exemplifies modern aesthetic appeal and superior performance.



Technical Properties

SL. NO.	TESTS	RESULTS	TEST METHOD
1	Poissons Ratio	0.39	Guidelines of ASTM D3039-17
2	Shear Modulus, Gpa	158	Guidelines of ASTM D3518-18
3	Compressive strength, MPa	103	Guidelines of ASTM C773-88 (2020)
4	Bulk density, g/cm ³	2.3	Guidelines of IS 13630 (Part-2):2019
5	Breaking Strength, N	1170	Guidelines of IS 13630 (Part-6):2019
6	Thermal Conductivity, W/m.K	1.316	Guidelines of ASTM D7984-21
7	Specific heat capacity, J/(g.K)	0.99	Guidelines of ASTM E1269-11(2018)
8	Moisture Expansion, mm/m	1.0	Guidelines of IS 13630 (Part-3):2019
9	Resistance to Deep Abrasion, mm ³	77	Guidelines of IS 13630 (Part-12):2019
10	Stain test	CLASS 5	Guidelines of EN ISO 10545-14
11	Impact Resistance (Coefficient of restitution)	0.8	Guidelines of IS 13630 (Part-14):2019
12	Flexural Strength, N/mm ²	62	Guidelines of IS 13630 (Part-6):2019

Fire performance

A2-sl, d0 rating as per EN 13501-1:2018, Parameters: Non Combustibility, Gross heat of Combustion and SMOGRA, FIGRA, TSP, THR, LFS to edge. Test methods: ISO 1716, EN 13823

UV testing standard:

UV Resistance: Tested for UV resistance as per EN 438-2:2016, section 28 (UV) for 1500 hours with contrast (>3) and appearance (>4) assessment according to EN 438-6

Test Results for UV testing :

SL. NO.	TESTS	REQUIREMENT	RESULTS	CONFORMITY
	UV Exposure test (For 1500 hours);			
1	Contrast, Grey scale (Change in colour)	3 Minimum	4	Yes
2	Appaearence, Rating	4 Minimum	4	Yes

Profile Systems for Seamless Installation

VISIBLE CLIP SYSTEM



The iclad visible clip system delivers a perfect blend of affordability and functionality for your facade project. These pre-engineered clips ensure a rapid and cost-effective installation process. The interlocking clips securely hold the iclad panels in place, creating a distinctive aesthetic with the exposed clip accents becoming a design element.

CONCEALED CLIP SYSTEM



The iclad concealed clip system elevates your architectural vision with a flawless, uninterrupted aesthetic. These meticulously designed clips ensure secure and invisible fastening system, allowing the beauty of panels to take center stage.

Key features of iCLAD Surfaces



Hygienic Surface

iCLAD surfaces are perfectly suited for environments requiring stringent hygiene standards.



Resistant to Mould and Fungi

iCLAD prevents the growth of mould, bacteria, and fungi, ensuring a hygienic environment.



Impervious Surface

With an average porosity of just 0.1%, iCLAD surfaces are exceptionally impervious.



Suitable for Indoor and Outdoor Applications

iCLAD is versatile for both interior and exterior décor. It maintains its integrity and appearance even when exposed to weathering.



Dimensional Stability

iCLAD exhibits minimal dimensional variation due to its low coefficient of thermal expansion.



Eco-Friendly and Recyclable

iCLAD is composed of 100% natural materials, free from harmful emissions. It is fully recyclable and can be reprocessed in other manufacturing processes.



Resistant to Heat and High Temperatures

The sintered stone surface is free from organic materials, so it remains unaffected by direct contact with hot items, such as pots and pans.



Resistant to Thermal Shock

iCLAD slabs are designed to endure thermal shock, making them suitable for both indoor and outdoor use.



Resistant to Humidity

The ceramic surface of iCLAD remains unaffected by long-term exposure to humidity.



UV/Weather Resistance

iCLAD does not undergo color alteration or degradation due to UV exposure, preserving its original appearance throughout its lifespan.



Deflection Resistance

iCLAD boasts a high modulus of rupture, enhancing its durability.

Iclad's puretech photocatalytic coating ensures self-cleaning and ensures better air quality.

