XSTONE
SURFACES

LAMINATE VENEER

Product and technical data



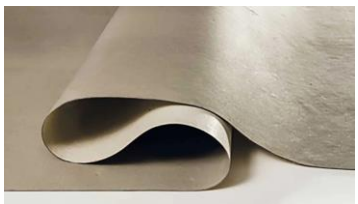
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XSTONE MINERAL VENEERS

At XSTONE GROUP, we're reinventing mineral surfaces with innovative solutions designed specifically for panel manufacturers. Our revolutionary mineral surface, based on recycled materials, offers unprecedented flexibility when used as a panel veneer. Easy to install over wood-based substrates and capable of adapting perfectly to 90° angles, this versatile material combines contemporary aesthetics with ease of application.

This unique solution is ideal for companies looking for durable, aesthetic and functional products that are ready to transform their projects. By choosing XSTONE, you are opting for superior performance in your productions, while remaining true to the highest standards of design and durability. Together, we're shaping the future of decorative surfaces with products that are as flexible as your ambitions.

Product range :



Veneer 1000x3000mm or 1300x3000mm (on fibreglass support)



Decorative panels (plywood, chipboard, MDF, acoustic)

Among our designs :



Concrete smooth grey



Concrete rough grey



Concrete mandala



Concrete wooden



Fire plank black



Travertine beige de Paris



Travertine King Louis



Rust smooth

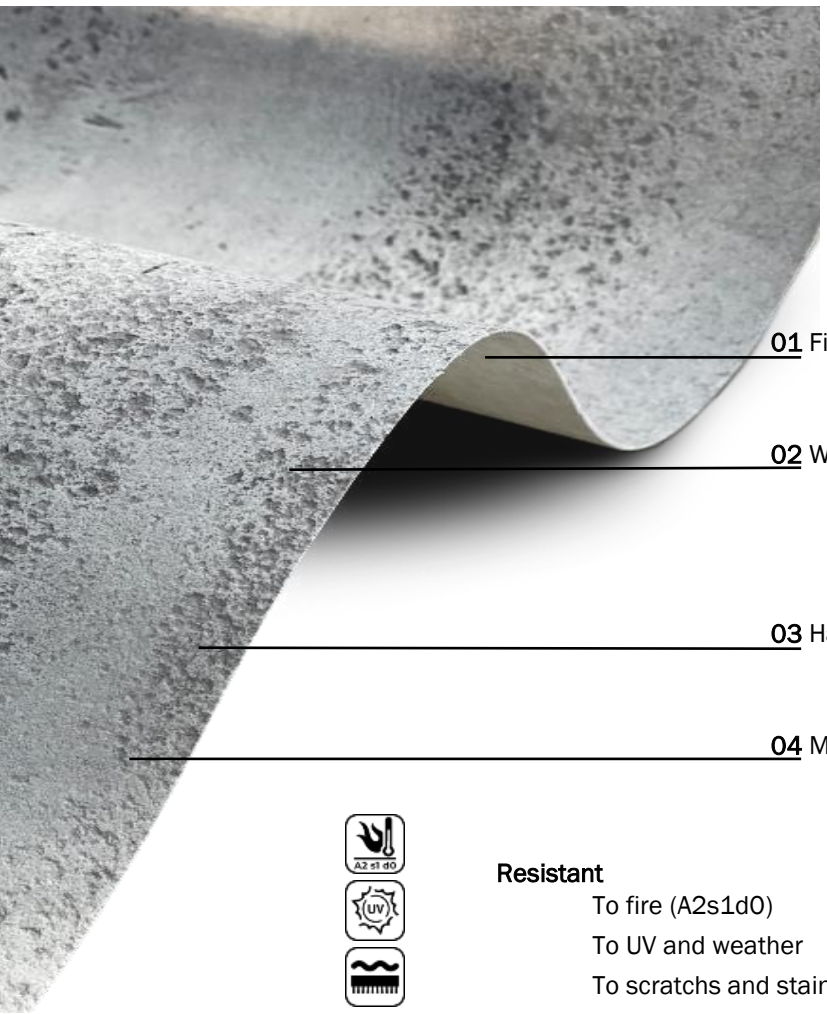


Copper Spider



Brick red splash

CHARACTERISTICS



01 Fiber glass backing

02 Water repealant protection option

03 Hard traffic protection option

04 Mineral polymer coating layer (2-3 mm)

Resistant

To fire (A2s1d0)
To UV and weather
To scratchs and stains
With acoustics features

Eco-responsible

Eco sustainable
Ecologic reducing CO2 by 95%
Without air emissions (< 1g/L)

Easy to install

Lightweight, easy to manipulate, to cut, to glue
On any supports interiors ou exteriors
Costs, including installation, reduced by 50 %

INSTALLATION OF XSTONE VENEER

Substrates

XSTONE sheets can be applied to all common substrates (cardboard, chipboard, MDF, plywood, etc.) with a flat, well-degreased and dust-free surface. Bonding to metal requires careful surface preparation, in particular degreasing with a powerful degreaser (trichloroethylene, etc.).

Balancing

To balance XSTONE sheets, we do not recommend the use of conventional laminates, as these two materials have different coefficients of expansion. have different coefficients of expansion. When XSTONE is used to make panels, it is advisable to balance it with an XSTONE sheet of the same thickness and apply the same finish to both sides; the same applies when using thin and/or large format substrates. For wall cladding, one side of XSTONE is sufficient if the panel is held to the wall by a fixing system or reinforcement. In this case, without any guarantee on our part, the other side must be insulated against moisture and can be painted, lacquered or varnished, for example, to resist vapour.

Bonding :

The surfaces to be joined must be solid, rigorously dry, clean and free of all dust, sawdust and other contaminants. dust, sawdust and grease.

Hot press bonding

Press gluing is recommended. In this case, use standard adhesives for laminated panels (vinyl glue, urea formaldehyde glue, PUR, etc.). When gluing under a hot press, do not exceed 60°C and a pressure of 200 kg for 5 minutes. Above this temperature, there is a risk of creating stresses that are detrimental to the strength of the various components.

Cold press bonding

Apply a layer of vinyl adhesive to the cleaned surface to which you wish to glue the XSTONE laminate (HPL), then position the veneer by exerting even pressure on the sheet. Maintain pressure with an object of a density similar to that of a wood panel (MDF, OSB, plywood, etc.) for 8 to 10 minutes.

Contact adhesive spray

XSTONE Spray contact adhesive is ideal for fast, durable bonding, with strong adhesion and heat resistance. Hold the aerosol 10-15 cm away and apply the glue in a spider web pattern, with an even layer at 80-100% coverage (60g dry/m^2). Apply a double coat around the edges and double glue to the substrate and sheet. Leave to dry for 2 minutes until the glue is sticky but does not adhere to the skin. Position the sheet at a 45° angle, then press firmly to expel any air, using a roller, mallet or smoothing sponge to fuse the layers together,

Finishing

Although there are many surfaces on the market that imitate concrete in their visual effects, such as printed laminates, they lack depth and the immersive experience of 3D and touch. Artificial surfaces made from mineral materials offer this dimension but can be fragile, prone to chipping or peeling off on impact, particularly on countertops or desks. XSTONE solves this problem with its flexible surface and XSTONE hard protect varnish, which adds durability and protection, making it a superior choice for projects that require both aesthetic and functional resilience.

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1010 | Concrete smooth light grey

USE CASES

- Wall design
- Fittings (hotels, offices, restaurants, shops, events)
- Furnitures
- Doors, wall cupboard
- Cladding

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XSTONE
SURFACES



USE CASES

- Wall design
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1087 | Travertine beige de Paris

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XSTONE
SURFACES



1212 | Brick Red Splash

USE CASES

- Wall design
- Fittings (hotels, offices, restaurants, shops, events)
- Furnitures
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CERTIFICATIONS

XSTONE is actively committed to eco-responsibility by manufacturing mineral coatings from 90% recycled marble powder. This innovative artisanal process reduces the ecological footprint by reusing quarry waste and limiting energy and water consumption. Optimised transport of the veneers, which are rolled and lightweight, reduces CO_2 emissions by 95% compared with natural stone. XSTONE products, which can be recycled at the end of their life, help to preserve natural resources while offering an aesthetic and sustainable solution for building professionals.

XSTONE mineral laminates are fire-resistant and A2-s1-d0 certified,

XSTONE offers a wide range of acoustic solutions. All XSTONE acoustic solutions have been tested in a professional acoustic laboratory. The solutions have an NRC value ranging from 60 to 90%.

XSTONE makes a positive contribution to the BREEAM

5. Materials and Resources. By minimising construction waste, reducing the impact of materials through recycling and choosing eco-sustainable materials.

6. Indoor Environmental Quality. By promoting healthy indoor environments through A+ classification, reducing the use of pollutants and improving acoustic comfort.

7. Innovation in Design. By using particularly innovative solutions, both in terms of product design and acoustic performance,

XSTONE makes a positive contribution to LEED credits

MRc 1: Reduction of Construction Waste 1 to 2 points (Construction and Demolition Waste Management). XSTONE is lightweight, eco-sustainable and recyclable.

MRc 2: Reuse of Buildings and Materials 1 point (Building Life-Cycle Impact Reduction) by opting for materials with a low environmental impact.

MRc 4: Building Product Disclosure and Optimization - Material Ingredients (1 point). XSTONE products are classified A+ reducing risks to human health and the environment.

MRc5: Responsible Materials Purchasing 1 to 2 points (Building Product Disclosure and Optimization - Sourcing of Raw Materials). XSTONE is an eco-responsible product using recycled materials.

Products certified to European Standards

XSTONE laminates are classified A + (VOC emissions certification).

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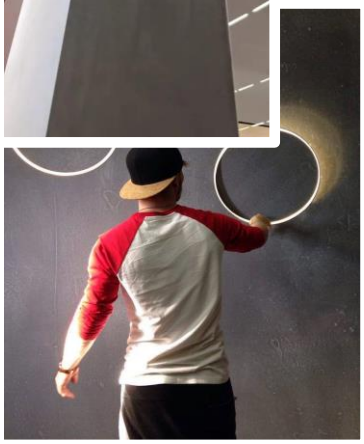
Why choose XSTONE?

Because in a world where standing out is a must, you don't want to settle for ordinary. XSTONE is the raw strength of natural stone with the flexibility your project demands. We're not talking about just another material here, we're talking about a game changer for the panel industry. 90% recycled, ultra-light, and easy to install — you're not just making a smart choice, you're showing you understand how to dominate the game. Fire-resistant, UV-resistant, time-resistant, all while looking sharp. With XSTONE, you stay on top, where only the best play.













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