

MINERAL FLOORING

Product and technical data

XSTONE FLOOR – HEALTHY LIVING & HIGH END DESIGN

A new generation of flooring

XSTONE Floor is an innovative panel solution that combines technical performance, acoustic comfort, and refined aesthetics. With its unique mineral coating, it offers architects and designers endless possibilities for creating inspiring interiors.

Authentic design, infinite creativity

Advanced technology allows XSTONE Floor to faithfully reproduce the beauty of natural stone, travertine, concrete, or rust. Each panel delivers an authentic, high-end look, enhanced by a limitless choice of colors to perfectly adapt to every project.

Healthier spaces from the ground up

Free from chlorine, plasticizers, and solvents, XSTONE Floor contributes to cleaner air and healthier living environments. Its surface is based on **ecuran**, an innovative composite made from plant-based oils and natural minerals, combining durability with sustainability.

Sustainable well-being

More than a floor covering, XSTONE Floor transforms homes, cafés, workplaces, or senior residences into “favorite places” — spaces that are beautiful, welcoming, and safe. The result: a stylish, durable, and eco-conscious flooring solution that turns every interior into a harmonious place to live.

Product range:



Floor Tiles
120 x 80 cm

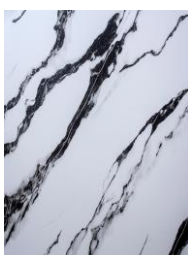
Among our designs:



Concrete smooth
grey



Concrete rough
grey



Marble White &
Black



Travertine Veined
Grey



Travertine light
yellow



Travertine beige
de Paris



Travertine King
Louis



Travertine Grey



Marble Gold



Concrete Honed
Middle Grey



USE CASES



Wall design



Fittings (hotels, offices, restaurants, shops, events)



Furnitures



Bathroom



Floor



1086 | Travertine Beige de Paris



USE CASES



Wall design



Fittings (hotels, offices, restaurants, shops, events)



Furnitures



Bathroom



Floor



**1006 | Concrete Smooth
Dark Grey**



USE CASES



Wall design



Bathroom



Fittings (hotels, offices,
restaurants, shops,
events)



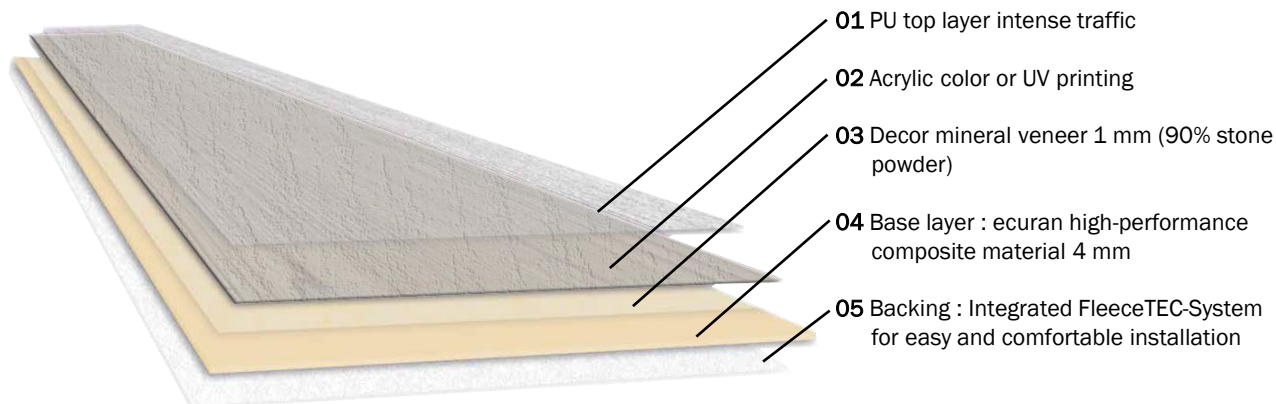
Floor



Furnitures

1090 | Marble White & Black

CHARACTERISTICS



XSTONE Floor semi rigid. Permanently elastic polyurethane flooring according to EN 16776. Without the addition of chlorin, without plasticisers or solvents.

Characteristics

Format	1200x800 mm	
Product thickness	5 mm	
Weight	9 kg/m ²	
Planks / m ² per box	4 / 3,84 m ²	
Boxes / m ² per pallet	30 / 115,20 m ²	

Certifications

	Utilization class 23 : EN ISO 10874	Domestic area with intensive usage
	Utilization class 33 : EN ISO 10874	Commercial sector with heavy usage
	Scratch resistance : EN 16776, annex A	Utilization class 33: > 6 N
	Anti slip category : DIN 51130	R 9
	Staining and chemical resistance: EN ISO 26987	Very good resistance according to the concentration and residence time
	Light fastness : EN ISO 105-B02	~ 7
	Residual indentation : EN ISO 24343-1	< 0.10 mm
	Effect of a furniture leg : EN 424	in test: Foot type 2 – no visible change
	Castor chair test : EN ISO 4918	25000 revolutions. no damage with rolls type W
	Thermal resistance : ISO 8302	0.01 (m ² K)/W
	Impact sound reduction : EN ISO 10140	~ 5 dB
	Dimension stability : EN ISO 23999	< 0.15 %
	REACH	free from SVHC substances > 0.1 %
	Disposal	Private: possible with normal domestic refuse Commercial: Refuse-key-no. AVV 170203

XSTONE MINERAL FLOOR NATURALLY STRONG



DURABLE

XSTONE flooring is **resistant to staining** and scores with high resilience.



EASY CARE

The polyurethane surface makes the organic flooring **easy to clean** and maintain.



UV-RESISTANT

Ready for summer: PURLINE organic flooring has a high light fastness and **an excellent UV resistance**.



NON-SLIP

The tested surface ensures **safety with every step**



SUITABLE FOR DAMP AREAS

In the **kitchen or bathroom**: XSTONE mineral flooring shows its best side in every situation



SUITABLE FOR UNDERFLOOR HEATING

More comfort: Installed over underfloor heating, the mineral flooring provides **additional cozy warmth**.



LOW-EMISSION

Take a deep breath: XSTONE mineral flooring emits **no harmful substances** into the atmosphere.



ODOUR NEUTRAL

Please do not disturb: **no unpleasant odours**.



MINIMAL SMOKE

Classify **A2s1d0**, even in case of fire: **Low smoke density**. Escape routes remain more visible.



QUIET

The soft surface ensures **pleasantly quiet acoustics**.



WARM TO THE FEET

The organic flooring feels **pleasantly warm** and is perfect for lounging, playing and living.



GENTLE ON THE ANKLES

Health-conscious: The elastic surface is gentle on the joints.

INSTALLATION GUIDE FOR XSTONE ACUSTONE ACOUSTIC PANELS

At **XSTONE**, we're proud to offer innovative floor solutions that combine performance and aesthetics. To ensure the successful installation of **XSTONE** floor tiles, here is a detailed step-by-step guide. By following these instructions, you will fully optimize the decorative properties of your floor.

1. Preparation

Before processing, make sure that the delivered goods are in perfect condition. Goods that have been cut to size or laid are not subject to complaint. Before installation, the goods must be checked for colour and batch uniformity. Only install planks/tiles of the same batch in one room.

Make sure you have all the tools you need: a drill, spirit level, tape measure, pencil, hand pressure roller, segmented roller min. 50 KG (110lbs), adhesive spatula with A2 size teeth, suitable adhesive and safety equipment such as gloves and goggles. Then choose the ideal location according to the needs of the space. Use a tape measure to determine the size of your room and layout of the tiles. Precisely mark the mounting lines on the wall or ceiling with a pencil and level to ensure perfect alignment.

Notice:

The flooring installer must check the subfloor's readiness for installation before installing the flooring and raise any concerns. Especially in case of:

- larger unevenness
- insufficiently dry subfloor.
- insufficiently firm, too porous and too rough surface of the subfloor,
- contaminated surface of the substrate, e.g. by oil, wax, varnish, paint residues,
- incorrect height of the surface of the substrate in relation to the height of adjacent components,
- unsuitable temperature of the substrate,
- unsuitable room climate,
- missing heating protocol in case of heated floor constructions,
- missing protrusion of the edge insulation strip,
- missing marking of measuring points in case of heated floor constructions,
- missing joint plan.

In order to level out unevenness and to obtain a uniform absorbent substrate, it is recommended to apply a suitable leveling compound (2) in sufficient layer thickness using the squeegee technique. Non-absorbent substrates or substrates sealed against rising damp must be leveled to a layer thickness of at least 3 mm. Please observe the instructions of the building material suppliers.

Acclimatization :

XSTONE Floor tiles as well as all required auxiliary materials must be acclimatized at least 24 hours before installation in small stacks (max.3) in the rooms to be installed or adjacent rooms under the following conditions :

- Room air temperature > 18°C (but not more than 26°C).
- Floor temperature > 15°C (but not more than 22°C)
- Relative humidity < 65%

It must be ensured that constant room climatic conditions exist during the acclimatization as well as the setting phase of the adhesive. The above-mentioned room climate must be maintained for at least 72 hours before, during and after bonding of the covering.

3. Installation methods

In order to achieve an optimal installation result with as little material waste as possible, we recommend measuring the area to be covered and dividing it according to the material format and installation pattern. We recommend that you transfer the dimensions of the first three panel rows, including the edge distance, to the subfloor by means of a chalk line.

Now apply the adhesive approved by XSTONE evenly according to the adhesive manufacturer's instructions using the TKB toothed strip recommended for this purpose (usually TKB A2 toothing). We recommend the use of low-emission and solvent-free dispersion adhesives, e.g. EC1 or RAL (Blue Angel). The processing guidelines of the adhesive manufacturers must be observed. Allow the adhesive to flash off according to the manufacturer's instructions, taking into account the room climate conditions. Now place the covering in the adhesive bed in the "tack phase".

The individual XSTONE floor tiles must be laid in the adhesive bed in a joint-tight and tension-free manner. In order to achieve a visually appealing installation pattern, we recommend ensuring sufficient joint offset (approx. 30 cm for tiles formats).

The elements are then pressed down over the entire surface with a suitable pressing tool. A hand-operated pressure roller is recommended for this purpose. In order to achieve an ideal installation and utilization result, it is important to ensure good adhesive wetting of the covering backing.

Now mark the element to be used and cut it, with a circular saw to fit exactly so that the edge joints remain open to avoid sound bridges and compression on walls and door frames.

After the elements have been manually rubbed down and cut to size, the covering is rolled evenly and slowly using a segmented roller (weight min. 50 kg / 110lbs). A hand pressure roller is recommended for the inaccessible area of the sectional roller, especially in the edge area.

The installed surface should not be put into operation/loaded until the adhesive has set completely (follow the adhesive manufacturer's instructions). Please note that the contractor has a maintenance obligation (protection of the floor covering against damage by subsequent trades) for a completed but not yet accepted trade. Please use only vapor-open covering material. Partial acceptance transfers the maintenance obligation for the accepted areas to the client.

6. Technical assistance

If you encounter any difficulties or have any questions during the installation process, our technical support team is on hand to guide you. At **XSTONE**, we are committed to providing quality products and services to help you transform your spaces with elegance and efficiency.

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 CO₂ 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 veneers 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 veneers are classified A + (VOC emissions certification).



Why choose XSTONE?

Because today, you can't afford to settle for ordinary. Every detail matters; from the floor in your bathroom to the most ambitious architectural projects. XSTONE is the raw power of natural stone fused with cutting-edge technology. Waterproof, fire-resistant, UV-resistant, yet ultra-light and easy to install. It's not just flooring, it's a signature. You show taste, you set style, you take the lead. And it's not just about looks; it's sustainable, eco-conscious, designed to build healthier, more inspiring spaces. Travertine, concrete, rust, marble: XSTONE captures authentic beauty with limitless creative freedom, while integrating up to 90% recycled materials. With XSTONE Flooring, you don't follow trends : you define them.

