



XTREM FLOOR LEVEL CONCRETE

Fast-drying self-levelling mortar for thicknesses of 1 to 10 mm

This innovative high-performance self-levelling polymeric coating has been designed for the smoothing and regularisation of interior floors in thin layers with a thickness ranging between 1 and 10 mm. Its self-levelling capability ensures the creation of exceptionally flat surfaces with a high-quality finish, ideal for micro-cement, as well as lightweight flooring, ceramics, and technical floors. Its pumpability speeds up installation and offers high productivity. Thanks to its quick setting and drying, it minimises the appearance of shrinkage cracks compared to conventional self-levellers. This product is also compatible with surface levelling over screeds in radiant heating systems.

Use Recommendations

- Ideal for levelling and smoothing floors in new builds or refurbishment projects before installing lightweight flooring, ceramics, and technical floors.
- Can be overlaid with ceramics, terrazzo, PVC, linoleum, vinyl, carpet, wooden boards, wood, or micro-cement.
- Suitable as a levelling layer over screeds in radiant heating systems.
- Designed for indoor use.

Limitations

- XTREM FLOOR LEVEL CONCRETE should not be applied on exterior floors.
- It is not suitable for industrial flooring or car parks.
- For installation on floors with permanent moisture, it is recommended to consult with our technical department.
- XTREM FLOOR LEVEL CONCRETE must be covered with the aforementioned coatings. For a final decorative finish, our range of micro-cements can be used (consult with the technical department).
- It should not be used as a base for paints or coatings made of epoxy or polyurethane resins.

Characteristics

- Excellent levelling capability that produces very smooth and completely flat surfaces.
- Quick time to service.
- Compensated shrinkage for high resistance to cracking.
- Can be pumped, which increases productivity.

Pre-application Considerations

- Adhere to the technical data sheet recommendations regarding the mixing water quantity.
- The application temperature should be between 10°C and 30°C. • Avoid drafts and direct sunlight exposure during application.
- Ensure the application area is well-ventilated to aid product drying.

- Tools can be cleaned with water immediately after use, but hardened material should be removed mechanically.
- The drying time of XTREMLOOR LEVEL CONCRETE may vary depending on temperature and humidity conditions.
- For exceptionally flat surfaces, the use of a laser for measurements is recommended.
- The perimeter joint must be respected, as well as the contact with all vertical elements. Respect the existing joints in the substrate and expansion joints according to the engineering study.

Instructions for Use

Substrate Preparation

- The substrate must be settled, dry, and free from dust, grease, and other impurities that might affect adhesion. If necessary, it should be treated mechanically, either by milling, shot blasting, or diamond grinding, depending on the type of substrate, followed by vacuuming.
- The substrate must have a minimum compressive strength of 12 MPa and a tensile strength greater than 1.2 N/mm² (pull-off test).

Primer

- Apply the epoxy primer Primapox® 100 Barrier on porous or non-porous substrates using a roller. Place the mesh on the primed surface and sprinkle 0.4 mm quartz aggregate while the primer is still fresh until saturation is achieved.

Mixing

- Mix XTREMLOOR LEVEL CONCRETE with 4.5 litres of clean water per 25 kg bag using an electric mixer or a pump machine until achieving a homogeneous mix free from lumps. Flow tests should be conducted before and during pumping to ensure the product flows adequately.

Application

- Pour the mix onto the floor and level it with a trowel to achieve the desired thickness. To release trapped air, a spiked roller can be used. For significant thicknesses, it's recommended to vibrate the material post-application to aid self-levelling and remove bubbles and hose marks. Fresh material should be applied over fresh material to avoid air inclusion.

Associated Coatings

- After XTREMLOOR LEVEL CONCRETE has dried according to the technical data sheet specifications, proceed to apply the chosen coating (ceramics, lightweight flooring, etc.). A light sanding and vacuuming might be required before the final coating installation. Ensure drying times are respected before installing the final coating.

Technical Performance

Features	Value
Minimum thickness	1 mm
Maximum thickness	10 mm
Mixing water	4.5 l
Shrinkage (28 days)	< 0.4 mm/m-4
Flow cone	240 - 250 mm
Application temperature	5 - 35 °C
Classification as per CE marking (EN 13813)	CT-C30-F5-7
Workability time at 20°C	20 min
Wait time for pedestrian traffic	3 h-9
Powder density	1,1 - 1,3 g/cm ³ -10
pH of cured material	Approx. 11-14

Adhesion to concrete	> 1 N/mm ² -12
Fire Behaviour (Classification as per UNE-EN 13501-1)	A1FL
Flexural strength (28 days)	> 5 N/mm ² -15
Compressive strength (28 days)	30 N/mm ² -16

Composition

This product is composed of hydraulic binders, polymeric resins, fibreglass, silica aggregates and carbonates, as well as organic and inorganic additives.

Suitable Substrates

Concrete, Cement mortar, Ceramic, Anhydrite.

Coverage Rate

1.8kg / m²/ mm

Packaging

25 kg paper bag on 1200 kg pallets (48 bags).

Storage and Preservation

This product has a shelf life of 9 months from the date of manufacture when stored in its original sealed packaging and protected from moisture.



The product should not be used for purposes other than those specified, without first obtaining written instruction regarding its handling. It is always the user's responsibility to take appropriate measures to comply with the requirements set out in legislation. The Safety Data Sheets for the product are available upon request.

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