



Weberdry flex

2-component flexible
waterproofing mortar

Waterproofing

PRODUCT

Weberdry Flex is a dual-component, flexible waterproofing mortar that has been meticulously formulated to withstand the development of microcracks, ensuring the integrity of the surfaces it protects. This innovative product offers dependable waterproofing protection, making it highly effective in a variety of settings. Its compatibility with ceramic tiles allows for seamless integration into tiled surfaces, providing an additional layer of security against water damage.

SCOPE OF USE

- Walls and floors in wet areas (bathrooms, kitchens, saunas) before tiling with ceramics.
- Swimming pools.
- Terraces and balconies.
- Water reservoirs and tanks.
- Microcracked cement-based surfaces.

ADVANTAGES

- Flexible 2K formulation for surfaces subject to movement.
- Resistant to microcracks.
- Ensures long-lasting waterproofing in submerged or exposed conditions.
- Compatible with potable water applications.
- Can be directly tiled over with ceramics.

CHARACTERISTICS

Yield 1.8 kg/m² per mm of thickness
(depending on substrate and application)

Application temperature Between +5°C and +35°C

Curing Time

Light pedestrian access	after 24 hours
Filling with water (pools/tanks)	after 7 days
Full curing before service	7 days

Application thicknesses

Minimum thickness	10 mm
Maximum thickness	40 mm
Recommended layer thickness	10 - 15 mm

Uses

Minimum thickness (per coat)	1.5 mm
Recommended total thickness	2 - 4 mm (in 2 coats)
Maximum thickness	5 mm

Adhesion strength

Adhesion strength of the substrate ≥ 1.0 MPa on concrete
(after water immersion, freeze-thaw cycles, and chlorinated water tests)

Flexibility / Crack Bridging

Crack bridging up to 0.75 mm (EN 14891)

Compression Strength

Compression Strength ≥ 15 MPa (sufficient for waterproofing protection, but flexibility is the key property))

Water pressure resistance

Positive water pressure	up to 7 bar
Negative water pressure	up to 3 bar

Shrinking

After 28 days	< 1.2 mm/m EN 13454-2
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Physical requirements

Fire reaction	A1fl EN 13501-1
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Chemical requirements

Cured material	Approximately PH:11
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APPLICABLE STANDARDS

EN 14891, EN 1504-2, EN 1542, EN 12873-1, EN 12873-2, EN 196-1, EN 13892-2, EN 13501-1

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

- The substrate must be clean, sound, and free of dust, oil, grease, or loose particles.
- All cracks or surface defects should be repaired with suitable mortar.
- Before application, the surface should be dampened with clean water, avoiding standing water.
- Highly absorbent surfaces may require pre-wetting to control suction.

PRODUCT PREPARATION

- Mix the powder component of Weberdry Flex with the liquid component supplied.
- Recommended mixing ratio: 20 kg powder bag + 5-6 litres of liquid.
- Use a low-speed mechanical mixer (400-600 rpm) until a smooth, lump-free paste is obtained.
- Allow the mix to rest for 2-3 minutes, then remix briefly before use.
- Pot life: $\approx$ 4 hours (at 20°C). Do not re-temper with water once the mix starts to set

PRODUCT APPLICATION

- Apply Weberdry Flex in two coats using a brush, roller, or trowel.
- First coat: spread evenly in one direction.
- While still fresh, place alkali-resistant fiberglass mesh (3x3 mm or 4x4 mm) for reinforcement, especially on surfaces prone to cracking.
- Second coat: apply after the first coat has dried ($\approx$ 6-12 hours), at right angles to the first.
- Recommended total thickness: 2-4 mm.
- Protect the fresh coating from rain, frost, or direct sunlight until fully cured.

PRECAUTIONS

- Proper preparation of the substrate is essential to achieve good results of the application of the product.
- Respect the separation and shrinkage joints in the floor, along with expansion joints, approximately every 25m²
- Do not apply the product at temperatures below 5°C or above 35°C, to avoid possible carbonation or figuration due to dehydration of the material.

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

The product irritates the eyes, airways and skin. Wear goggles with lateral protection, dust mask in areas with limited ventilation, proper work clothing and protective gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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