

HYFLEX 1000

HIGH STRENGTH ELASTIC TILE ADHESIVE WITH GEL TECHNOLOGY (C2TES1)

USAGE

Top quality and high-performance tile adhesive with GEL technology. HYFLEX 1000 ensures strong and elastic bonding and high workability in a wide range of applications. It is suitable for the installation of tiles of all types on absorbent or non-absorbent substrates, indoors or outdoors, on horizontal or vertical surfaces.

ADVANTAGES

- Wide range of mixing water
- Excellent workability
- Zero slip
- Extended open time
- Resistant bonding in demanding conditions, including underfloor heating, swimming pools, hammams, substrates subject to vibrations or deformations
- Layer thickness up to 15 mm
- Non-combustible
- Suitable for a wide range of substrates.

APPLICATION

- The substrate must be clean, firm, without loose parts and rising damp. We recommend the wetting of absorbent substrates with clean water prior to applying this product or use of a suitable primer (e.g., BOARD PRIMER).
- The bag content should be gradually added into clear water (approx. 5.6-6.8 l/bag) under continuous mixing, using an electric mixer at low speed, until a homogenous paste is achieved. The mixture should rest for 5 minutes and then be re-stirred before the application takes place.
- The adhesive paste should be applied (“combed”) with a notched trowel (6-20 mm) and the tiles must be placed within 30 minutes. The open time limits of the applied paste allow any readjustment that might be needed for their final exact position.
- If the substrate has been covered with screed, its moisture must be less than 2,5% before the application of the adhesive.
- During the application and for some hours later, expose to extreme weather conditions must be avoided (such as strong wind, rain, dust, direct sunshine, etc.) and the temperature must be between +5 °C and 35 °C.
- Floor joints can be grouted after 24 hours and wall joints after 8-10 hours.

COMPOSITION

Mixture of white cement of high specifications, crushed marble of selected grain size and quality, enriched with polymers and special enhancement additives and minerals.



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TECHNICAL DATA

According to EN 12004-1:2017 classified as: type C2TES1 adhesive.

Appearance	Cementitious mortar	Color	White
Grain size	< 0,7 mm	Extended open time, tensile adhesion strength	0.6 N/mm ²
Bulk density	1570 ± 100 g/l	Initial tensile adhesion strength	1.6 N/mm ²
Water demand	~5.6-6.8 l/bag 20 kg	Tensile adhesion strength after water immersion	1.2 N/mm ²
Fresh mortar density	1650 ± 100 g/l	Tensile adhesion strength after heat ageing	1.8 N/mm ²
Pot life (20°C)	4-5 hours	Tensile adhesion strength after freeze-thaw cycle	1.2 N/mm ²
Open time (20 °C)	30 min	Slip	0,4 mm
Reaction to fire	Class A2-s1, d0 & A2fl-s1	Deformability	2,7 mm

CONSUMPTION

1.5 kg/m², per mm of layer thickness, depending on tile type and size and on the kind of the substrate.

PACKAGING

In 20 kg paper bags, on pallets.

STORAGE

12 months from the production date, in unopened bags and buckets. Stored in a shady, dry, frost and humidity free place.

REMARKS

- If much more water than demanded is added, adhesion and strength reduction can occur.
- On metallic constructions a corrosion protection layer must be applied beforehand.
- HYFLEX 1000 contains cement which is classified as irritant. Consult the safety advises and precautions written in SDS of the product.

REMINDER

Although specifications and instructions outlined in this report were prepared to the best of our ability, knowledge and experience, they must be taken as indicative results and require verification after numerous applications. Intended users of this product must verify its suitability for the planned application. End user is responsible for all results from the product's use.

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