

ULTRAFLEX PRO

**WHITE, FLEXIBLE, HIGH-PERFORMANCE,
TILES AND NATURAL STONES ADHESIVE (C2TES2)**



USAGE

ULTRAFLEX PRO adhesive is used for laying tiles and slabs of any type and size (marble, granite, ceramic etc.), on any substrate, internally or externally, on floors and walls. Can be applied on conventional substrates of concrete and on cementitious coatings, on simple floors (covered with old mosaics or old ceramic tiles), on surfaces made of light structural elements (autoclaved aerated concrete blocks, cement boards and gypsum boards, etc.), on metal surfaces, swimming pools, tanks, on surfaces with relatively high moisture, etc.

ADVANTAGES

- Homogeneous, ready-to-mix, industrial product of constantly high quality.
- Highly flexible, white cement-based tile adhesive with high adhesion and extended open time and no vertical slip.
- Ensures good workability, increased application speed; it is cost-effective and achieves high standards.
- Provides excellent high compressive and flexural strength and also resistance to moisture and temperature changes.
- Prevents optical changes on the surface of white marbles (and the other construction materials), as also from efflorescence formation.
- Recommended for floors and walls with increased demands on temperature variations, expansions - contractions or vibrations (intra floor heating, bath rooms, balconies, metallic substrates, etc.) and wherever high quality construction is required.

APPLICATION

- The substrate must be clean and stable. It is recommended to drench it with water before the application.
- The bag content should be gradually added into clear water (approx. 5,5-6,5 l/bag) under continuous stirring, 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 (6-10 mm) and tiles are then 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, extreme climatic 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.

TECHNICAL DATA

According to EN 12004-1:2017 classified as: type C2TES2 adhesive.

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|-----------------------------|----------------------------|---|---------------------------|
| Appearance | Cementitious mortar | Color | White |
| Grain size | < 0.7 mm | Open time adhesion | $\geq 0.5 \text{ N/mm}^2$ |
| Bulk density | $1400 \pm 100 \text{ g/l}$ | initial tensile adhesion strength | $\geq 1.0 \text{ N/mm}^2$ |
| Water demand | ~5.5-6.5 l/bag 25 kg | tensile adhesion strength after water immersion | $\geq 1.0 \text{ N/mm}^2$ |
| Fresh mortar density | $1450 \pm 100 \text{ g/l}$ | tensile adhesion strength after heat ageing | $\geq 1.0 \text{ N/mm}^2$ |
| Pot life (20 °C) | 4-5 hours | tensile adhesion strength after freeze-thaw cycles | $\geq 1.0 \text{ N/mm}^2$ |
| Open time (20 °C) | 30 min | Slip | $\leq 0.3 \text{ mm}$ |
| Reaction to fire | Class E | Deformability | $\geq 5 \text{ mm}$ |

CONSUMPTION

3,0-5,0 kg/m², depending on tile type and size and on the type of the substrate.

PACKAGING

In 25 kg paper bags, on pallets, (55 bags / pallet 1375 kg).

STORAGE

12 months from the production date, in unopened bags. 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.
- ULTRAFLEX PRO 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.