



## TECHNICAL SPECIFICATIONS

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### WIM FLEX WHITE

#### Highly flexible white deformable adhesive mortar

HIGHLY FLEXIBLE DEFORMABLE WHITE ADHESIVE MORTAR FOR ALL TYPES OF CERAMIC TILES class C2TE S1 according to PN-EN 12004

**APPLICATION:** highly flexible deformable adhesive mortar for mounting ceramic tiles, glass mosaic, stoneware and clinker tiles of each format and absorbability exposed to difficult usage conditions to be used inside and outside premises. It is also recommended for installation of natural stone (e.g. marble, granite, travertine) even those of light colours. The mortar does not cause the greying effect of the stone surface, nevertheless it should not be used for stone sensitive to deformation and discoloration due to humidity. In such a case quick-binding adhesives should be used instead, and in exceptional cases even water-free adhesives. The mortar may also be used to adhere tiles on drywall panel walls, floors with installed floor heating, on appropriately executed and dried waterproofing layers in shower cabins, on terraces and in swimming pools.

**SUBSTRATE:** It may be used for each mature, strong, equal and stable clean substrate with appropriate bearing capacity, such as concrete, cellular concrete, cement floor underlay, anhydrite screed, gypsum plaster, cement plaster or cement-lime plaster, drywall panels and gypsum-fibre panels, OSB panels, and a homogenous equal wall with solid joints. Adhesive mortar may be used on bound and dried waterproofing made on such products as WIM LIQUID FOIL and WIMOLASTIC – TERRACE WATERPROOFING. It may also be used to laid tiles on old but solid ceramic cladding, paint coats and terrazzo. When laying tiles on terraces and balconies, the maximum size of expansion areas of 3x3m is to be maintained. The substrate shall be free of dust, powder and other substances which could reduce adherence, and may not be frozen. The final humidity of the substrate prior to laying of ceramic tiles has to be as follows:

- Self-levelling anhydrite screed < 0.5 %
- Gypsum plaster < 1 %
- Concrete and cement screed < 4 %
- Cement and lime-cement plaster < 4%

#### PRIMING:

- Cellular concrete is to be primed with A STRENGTHENING PRIMER
- Anhydrite screed, gypsum plaster, drywall and gypsum-fibre panels are to be primed using a PRIMING AGENT.
- Low quality substrates and stability are to be strengthened by applying a STRENGTHENING PRIMER.
- As regards wood-based panels, old ceramic tiles and strong lacquer coats a contact bridge is to be applied - WIM Contact layer.
- There is no necessity of priming of waterproofing substrates or concrete and other mineral substrates with homogenous low absorbability.

**APPLICATION:** The contents of the bag are to be poured into a measured amount of clean cool water and well mixed using a slow-rotating electric mixer to form a mass of homogenous consistency. Wait ca. 5 minutes and once again mix thoroughly. Using the flat part of the trowel, apply a thin layer by pressing it firmly down on the substrate, and then a much thicker one and afterwards spread it using a notched trowel set at an angle of 55° - 65° in relation to the substrate. The size of notches is to be chosen according to the size of the tiles and the place where they are to be laid. The larger the tile, the larger the notch size. The tiles may only be laid on freshly spread mortar, by pressing them down to the scratcher layer, and by slightly moving them to set them in the desired position. The open time must necessarily be respected. Avoid having the work executed at considerable insolation, during rainfall and strong wind. Clean the tiles and the joints before the adhesive has dried. Pointing to be done once the adhesive mortar has hardened.



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**TECHNICAL DATA:** Applicable for the temperature of +23°C (±2) and air humidity of 50% (±5)

Ingredients: mixture of cement, mineral aggregate and modifying agents

Working temperature (of air and materials): from +5°C to +25°C

Mixing proportion: ca. 6.5 – 6.75 l of water: 25 kg of adhesive (ca. 0.26 – 0.27 l of water per 1 kg of adhesive)

Curing time: 5 minutes

Working time: ca. 4 – 6 hrs.

Open time: min. 45 hrs.

Correctibility time: min. 30 minutes

Readiness to walking: after ca. 24 hrs.

Possibility of joint filling:

- walls: after ca. 4-8 hours

- floors: after ca. 24 hours

Resistance to temperature: –30°C to +70°C

Maximum thickness of mortar layer: 10 mm

Adherence: type C2T S1 (≥ 1 N/mm<sup>2</sup>)

### APPROXIMATE COVERAGE:

- |                              |                      |                                 |
|------------------------------|----------------------|---------------------------------|
| • Tile with side up to 10 cm | Tooth height 4 mm    | ca. 1.6 – 2.0 kg/m <sup>2</sup> |
| • Tile with side 20 – 25 cm  | Tooth height 6–8 mm  | ca. 3.0 – 4.0 kg/m <sup>2</sup> |
| • Tile with side over 30 cm  | Tooth height 8–12 mm | ca. 4.0 – 6.0 kg/m <sup>2</sup> |

**CLEANING OF TOOLS:** tools are to be washed with water directly after work. hardened mortar is to be removed mechanically.

**STORAGE and TRANSPORT:** on pallets, in original undamaged packaging in a dry place. To be protected from humidity.

**EXPIRY DATE:** 12 months since the manufacturing date provided on packaging.

*Information contained in the Technical Specification present general guidelines related to product application and do not release from the obligation of executing the works in compliance with relevant standards, regulations, executory recommendations, technical know-how, construction best practices and OHS regulations.*