

TECHNICAL DATA SHEET

READY DISPERSION ADHESIVE FOR FACADE STONE 111

Multifunctional, ready-to-use adhesive for ceramic, gypsum, stone tiles, etc.



Areas of application

This adhesive is intended for bonding facades made of artificial stone (gypsum, cement) as well as ceramic tiles, natural stone and other materials inside and outside the building. Mainly for difficult substrates such as rigid chipboard and OSB, dry screeds, cement and anhydrite screeds, also with underfloor heating. Does not discolor natural stone.


Properties

- White
- Ready to use
- Frost-resistant
- Waterproof
- Flexible
- High adhesion
- For OSBs and chipboards
- D2E class

Application procedure



Technical data

Item number	34470
Packaging	
Quantity per unit	7 kg/unit
Unit per pallet	80 unit/Pal.
Grain size	0-0,5 mm
Colour	White
Consumption	1,7 kg/m ² /mm
Possibilities to enter	approx. 72 h
Density	approx. 1,7 g/cm ³
Adhesive open time	30 min
Correction possibility	approx. 20 min

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Item number	34470
Drying time	24 h 72 h

Material base

- Mineral fillers
- Polymer dispersion

Application conditions

Apply in temperatures from +10 °C to +25 °C. These temperatures apply to air, groundwork and product temperature. The adhesive binds by evaporation of water, therefore low air temperatures and high humidity can extend the bonding of the adhesive.

Surface

Remove all unstable grouts and coats. Plasters and cement screeds must be at least 4 weeks old, gypsum plasters and anhydrite screeds must be at least 2 weeks old. Grind and vacuum anhydrite screed. Concrete groundwork must be at least 6 months old. Level all groundwork irregularities with the 428 leveling grout. Irregular cement and concrete floor surfaces should be leveled with the EXTRA FLOOR 418, QUICK-SETTING SELF LEVELING GROUT 417 or EXPERS 419 self-leveling grout. Particle boards and OSB should be sanded and thoroughly vacuumed. Old claddings made of ceramic tiles and oil-paint boards should be thoroughly cleaned and degreased, the adhesive should be applied directly on such substrates, if necessary in special cases primed with a KONTAKT GRUNT 307. Any bituminous masses (after removed parquet) remaining on the ground should be removed.

Concrete, reinforced concrete: Prime with CONTACT GRUNT 307

Gypsum, gypsum-lime, cement, cement-lime and lime

cement: Prime with GRUNTOLIT-W 301 or EXPERT 6

Cement screed: Prime with GRUNTOLIT-W 301 or EXPERT 6

Anhydrite screed: Grind, vacuum and prime with GRUNTOLIT-W 301

Gypsum plasterboards: Prime with GRUNTOLIT-W 301 or EXPERT 6

Autoclaved aerated concrete elements: double prime with

GRUNTOLIT -W 301

Old ceramic tiles and oil wainscot: Apply directly

Liquid foil, polymer-cement sealants: Apply directly

OSBs, chipboards, fiberboards: Apply directly

Preparation

Ready-to-use product. Mix the mass inside the container thoroughly. If necessary, correct the consistency by adding a small amount of water.

Application procedure

Apply the grout on the groundwork using a toothed trowel. To apply the adhesive it is recommended to use toothed trowels with max. 6mm teeth. Apply the prepared mortar onto the steel trowel and firmly spread a thin layer across the bed using the straight edge. The next step is to apply a thicker mortar layer and spread it using the notched edge of the trowel at an angle of 45-60 degrees to the bed. The area covered with the mortar should be adjusted to the tiles laying abilities not to exceed the open drying time of the adhesive. It can be verified by touching the grout with a finger, if no adhesion occurs, the open drying time was exceeded and the grout should be removed from the surface and replaced with a fresh layer. The tiles should be laid by placing the second one as close to the first one and moving it to receive a joint of proper width. The tiles should not be wet before laying! Press tiles and if need be strike with a rubber hammer against the bed so that the adhesive will adhere to at least 70% of surface of a tile. Tiles bigger than 30x30 cm, all tiles laid outside and in permanently wet and intensively used places should be laid so that the adhesive will adhere to the entire tile surface. In order to meet these requirements the adhesive should be also applied to the entire back of the tile with a thin layer of equal thickness, covering the concavities and convexities. Apply as for an insulation and decorative panel adhesive: Depending on the size and weight of the panels, apply the adhesive on the surface in spots or strips. When applying the panel in its intended site, press it firmly against the groundwork.

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Instructions

Avoid contact with skin and protect eyes. Detailed guidelines are included in the material safety data sheet. In the case of assembly of large tiles with low water absorption (gres tiles), the adhesive bonding time may be lengthened by several times. Therefore, it is recommended to use EXPERT 4 in such cases. The speed of adhesive bonding depends on the absorbency of the substrate. It is recommended to use it on absorbent substrates, which can take over some of the water given off by the adhesive. This is related to the fact that the adhesive binds by evaporation of water.

Storage

Up to 12 months from production date in sealed packaging and at temperatures, ranging from +5 °C to +25 °C, far from sources of heat and frost.

General information

This product data sheet replaces all its previous versions. The information, included in this technical card, represents our current knowledge and practical experience. This is general information only which shall not obligate the manufacturer to take any responsibility either for workmanship or for the manner of use. For there may be differences and specific execution conditions. The product shall be applied in accordance with required technical knowledge and OHS rules. Avoid contact with skin and protect eyes. In case of contact with eyes, rinse them up with a large quantity of clean water and consult a doctor. It shall be recommended to use gloves, safety goggles and protective clothing. All technical data is given for the temperature of 20 degrees Celsius. These temperatures apply to air, bed and embedded material. All technical data listed in this product specification has been determined under laboratory conditions.