

## TECHNICAL DATA SHEET

### DISPERSION ADHESIVE 111

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



#### Areas of application

The adhesive is intended for applying wall and floor ceramic tiles (gres, terracotta, clinker, ceramics, mosaic tiles), natural stone tiles, as well as plastic tiles both on rigid and demanding (deforming) groundworks, or ill-gripping groundworks, both indoors and outdoors. Indoor and outdoor use. 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. It is also suitable for sticking panels imitating façade boards, clinker bricks and other such elements. for all wall surfaces. Thanks to its use, we reduce the risk of salt efflorescence on these surfaces.


#### Properties

- Ready to use
- White
- High adhesion
- For OSBs and chipboards
- For systems with façade panels
- Frost-resistant
- Deformable
- Flexible
- D2E class

#### Application procedure



#### Technical data

Item number	18087	314720
Packaging		
Quantity per unit	7 kg/unit	15 kg/unit
Unit per pallet	80 unit/Pal.	33 unit/Pal.
Grain size	0-0,5 mm	
Colour	White	
Consumption	1,7 kg/m <sup>2</sup> /mm	
Hardening time	approx. 72 h	
Possibilities to enter	approx. 24 h	
Density	approx. 1,7 g/cm <sup>3</sup>	
Adhesive group	EN 12004+A1	

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Item number	18087	314720
Adhesive open time	30 min	
Correction possibility	approx. 30 min	

## Material base

- Mineral fillers
- Polymer dispersion

## Application conditions

Use at temperatures from +10 °C to +25 °C, these temperatures apply to air, substrate and product. All substrates should be load-bearing, compact, stable, cleaned and primed if necessary. 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

Liquid foil, polymer-cement sealants: Apply directly

Reinforcing layer in the thermal insulation system: Apply directly

OSBs, chipboards, fiberboards: grind, clean, do not prime

## 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

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the panel in its intended site, press it firmly against the groundwork.

### Instructions

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Walking and grouting is possible after 2 days at the earliest. When laying tiles on tiles, chipboard or OSB, this time can be longer depending on the layer thickness. 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

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The mortar can be stored for up to 12 months from production date in sealed packaging and at temperatures, ranging from +5 °C to +25 °C. The storage area shall be kept out of the reach of children, protected against direct sunlight and located far from heat sources and naked flames. It can be transported by any means of transport, at a temperature not lower than +5 °C. It is not subject to ADR provisions.

### General information

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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 a temperature of +20 °C and a humidity of 60 %. In the case of drying times, binding, pointing, open, correction, water

resistance, etc., these values are given for a typical layer thickness of the product, which for the tile adhesive is about 5mm, primer and self-leveling screed of about 10mm, screeds about 25mm. In special cases, they may deviate from this accepted average and should be determined experimentally. In case of doubts and not included in this record, it is recommended to contact the technical department of KREISEL.

All technical data listed in this product specification has been determined under laboratory conditions.