



ELASTIC GEL ADHESIVE 1

Elasticised ceramic tile adhesive

Areas of application: Adhesive based on cement and reinforcing fibers with bentonite additives for fixing ceramic and stoneware tiles (glaze, terra-cotta) indoors. Intended, among others, for the substrate with small deformability, such as gypsum and cardboard boards. It is also suitable for cement screeds and anhydrite screeds, also with floor heating. Fine grain <0.3 mm, fibres, bentonite and special polymers which improve working properties compared with ordinary adhesives of C1T and C1TE class. Adding water is possible based on contractor's preferences and the application location (floor or wall). It allows to eliminate the substrate irregularities to 15 mm.

- Properties:**
- Grey
 - fine-grained
 - Thixotropic
 - Elasticized
 - C1TE classes
 - For floor heating systems
 - Proper distribution under the tile
 - from 2mm to 15mm

Application procedure:



Technical data	
Item no.	35420
Packaging type	
Quantity per unit	25 kg/unit
Unit per pallet	48 unit/Pal.
Colour	Grey
Density	approx. 1.3 g/cm ³
Granulation	0 - 0.3 mm
Consumption	1.4 kg/m ² /mm
Application time	approx. 2 h
Layer thickness	2 - 15 mm
Soluble chromium VI content	≤ 0.0002 %
Amount of water required	approx. 6.5 l/bag
Possibilities to enter	after 24 h
Groutable	after 48 hours
Adhesive group (EN 12004+A1)	C1 TE
Adhesion to (Concrete)	≥ 0.5 MPa
Correction possibility	approx. 15 min
Adhesive open time	30 min

The product conforms to: • EN 12004+A1

- Material base:**
- Reinforcing fibres
 - Bentonite
 - Polymers
 - Modifying additives
 - Portland cement



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Surface:	<p>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.</p> <p>Level all groundwork irregularities with the 428 leveling grout. Irregular cement and concrete floor surfaces should be leveled with the RENOGRUNT 410, QUICK-SETTING SELF LEVELING GROUT 417 or EXPERS 419 self-leveling grout.</p>
Types of substrate:	<p>Concrete, reinforced concrete: Prime with CONTACT GRUNT 307</p> <p>Cement-lime plaster: Prime with GRUNTOLIT-W 301 or EXPERT 6</p> <p>Gypsum plasters: Prime with GRUNTOLIT-SG 302 or EXPERT 5</p> <p>Cement screed: Prime with GRUNTOLIT-W 301 or EXPERT 6</p> <p>Anhydrite screed: Grind, clean and prime with GRUNTOLIT-SG 302 or EXPERT 5</p> <p>Gypsum plasterboards: Prime with GRUNTOLIT-W 301 or EXPERT 6</p> <p>Autoclaved aerated concrete elements: double prime with GRUNTOLIT -W 301</p> <p>Silicate blocks: Prime with GRUNTOLIT-W 301 or EXPERT 6</p>
Preparation:	<p>Pour the dry mix gradually to a container with a sufficient amount of clean, cool water. Mix manually or using a low-speed mixer to produce a homogeneous mass without lumps. Leave to mature for 5 minutes and mix again. The mass should be thick enough not to slide from a trowel when set at an angle.</p> <p>Do not mix the hardened grouting mixture again.</p> <p>If there is a need to use a part of the packaging, the entire dry compound must be carefully stirred because during transport components could be separated.</p> <p>Do not mix the hardened grouting mixture again.</p>
Application procedure:	<p>Apply the grout on the groundwork using a toothed trowel.</p> <p>Apply the prepared grout onto the steel trowel and firmly spread a thin layer across the bed using the straight edge. The next steps is to apply a thicker grout 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 grout should be adjusted to the block laying abilities, not exceed the open drying time of the grout. It can be verified by touching the grout, 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.</p> <p>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.</p> <p>The joint width should be chosen based on the tile size. Internal floors adopt the following: minimum 2mm - at the tile side length up to 10 cm, 2-6mm - using tiles of 10-25cm, 4-8 mm - using tiles of 25-30 cm. Before the adhesive dries, the possible grout residue should be removed from the joints, and the tiles should be washed with water. For the external floors, depending on the tile colour and sunlight, the provided values should be increased by 50-80%. In case of clinker tiles, the floor should be coated with HYDROMUR-W 1010, but not sooner than 4 days after pointing. Facades exposed to precipitation should be protected from rainfall until the moment of impregnation.</p>
Application conditions:	<p>Apply in temperatures from +5 °C do +25 °C. These temperatures apply to air, groundwork and product temperature. All groundworks should be load-bearing, tight, stable, cleared and, if necessary, primed with EXPERT 6 or GRUNTOLIT-W 301. Prime poor-quality groundworks with EXPERT 5 – deep-penetration primer. Smooth substrates that require increased adhesion are recommended to be primed with GRUNT CONTACT 307.</p>
Instructions:	<p>Avoid contact with skin and protect eyes. Detailed guidelines are included in the material safety data sheet.</p> <p>Read the safety data sheet before use.</p>
Storage:	<p>Up to 12 months from the date of manufacture, in dry places and in intact packaging</p>



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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.