

DESCRIPTION:

TEKNO GRIP TE is a cement-based adhesive with high mechanical performance, for professional laying of ceramic tiles of all types, with no vertical sliding, indoor and outdoor, floor, wall and ceiling. Gray or white, is a premixed cement-based high strength, pure marble dust, silica sand selected special synthetic polymers and special additives. This product may be recycled as an inert once expired.

CLASSIFICATION IN COMPLIANCE WITH EN 12004:

Class C2 TE improved cementitious adhesive for fixing indoor and outdoor ceramic tiles, with extended open time (E), high slip resistance (T).

USE:

TEKNO GRIP TE is a professional highly thixotropic adhesive for the installation of ceramic tiles of any kind and nature (including tiles in porcelain, clinker, terazzo, polished in-situ materials, glass materials, etc.) and natural or reconstituted stone, for flooring, walls and ceilings. Suitable for indoor and outdoor use, on all the main materials normally used in construction: cement-based screeds and plasters or gypsum and anhydrite, lime mortar or screed-ready **ANTEMASS L**, existing flooring, etc..

Ideal for installation on private, business and industrial buildings, can also be used on under-floor heating, as well as in tubs and pools (small size only) and on cement-based waterproofing sheaths such as **SUPERELASTIK**. For special applications, please contact our technical department.

NOT FOR USE ON:

wood, metal, linoleum, PVC, rubber, non-rigidly fixed panels, precast concrete panels or smooth surfaces, insufficiently dried cement. Do not overlay on heated flooring

PREPARATION OF SUBSTRATES:

Before applying **TEKNO GRIP TE** ensure that the foundations are mature (one week per centimetre of thickness and at least 28 days), solid and consistent, flat and free of cracks, oil, grease, dust, paint and dirt. The lightly "dusting" surfaces must be pre-treated with the appropriate consolidating product **ANTESILIC**. Any openings or cracks should be sealed with **ANTECRACK**. Highly absorbent substrates may significantly reduce the open time and adhesion; therefore it is recommended the absorption is regulated by previously applying a layer of **ANTEPRIMER** (high penetration primer based on synthetic resins in a micronized water dispersion). Isolate the gypsum or anhydrite base with a layer of **ANTEPRIMER**. Supports and materials exposed to sunlight must be cooled by wetting them with water one hour prior to installation. Dusty tiles must be cleaned before use by "dipping" them in water and then allowing them to dry.

PREPARING ADHESIVE:

TEKNO GRIP TE is mixed with approx. 7.3 to 7.8 litres of drinking water per 25 kg bag of the product using a suitable mixer or a low-speed drill (approx. 300 rpm / min) fitted with a whisk. Put the water into a clean bucket, add the powder and mix to obtain a smooth, lump-free and homogenous paste. Allow the mixture to stand for approx. 10 minutes. Mix again and correct the density of the paste. The adhesive mortar obtained is usable for approx. 6 hours.

APPLICATION:

Proceed by applying the adhesive to the substrate using the straight edge of a notched trowel in an amount proportional to the thickness required (usually about 2 to 3 mm). Work the adhesive using the notched side of the trowel and immediately start to lay the tiles, gently applying firm pressure to ensure optimum adhesive contact. Always use a notched trowel to ensure 100% coverage to the back of each tile. You are reminded that for outdoor use, a second layer

of adhesive is always necessary (see WARNINGS). Frequently check that the adhesive has not formed a surface skin. In this case, re-spread the adhesive. The open time of **TEKNO GRIP TE** under normal conditions of temperature and humidity is more than 30 minutes, although adverse conditions (wind, high temperatures, etc.) or particularly absorbent substrates can reduce the open time to only a few minutes. Any adjustment and levelling of the tiles can be carried out within 45 minutes of installation.

CONSUMPTION:

Depending on the flatness of the substrate and the shape of the tiles to be applied: 4 or 6 mm spatula approximately 2.5 to 3.5 kg / m²; using an 8 or 10 mm spatula 3.5 to 6 kg / m². Consider approx. 1.35 kg / m² per mm of adhesive used.

CLEANING:

Wash hands and equipment thoroughly with clean water before the mortar begins to grip, otherwise cleaning will be difficult.

HEALTH AND SAFETY:

The product is nontoxic, but Portland cement content can cause irritation to the skin and eyes. Do not breathe in dust. Take adequate protection using gloves, respirators, protective clothing and goggles. For more information, see the Safety Data Sheet.

TECHNICAL DATA	
Consistency	Gray powder
Grit	0 ÷ 0,6 mm.
Density of mix	1,3 gr/cm ³
Mixing water for every 25 kg bag	About 29÷31%
Pot Life	after 6 hours*
Application temperature range	from +5°C to +35 °C
Adjustability time	about 45 minutes*
Set to light foot traffic	after 24 hours *
Ready for grouting on walls	after about 6 hours *
Ready for grouting on floors	after about 24÷36 hours *
Ready for use	after 14 days*
FINAL PERFORMANCE	
Initial bonding (after 28 days)	≥ 1 N/mm ² (EN 1348)
Bonding after heat exposure (70°C)	≥ 1 N/mm ² (EN 1348)
Bonding after immersion in water	≥ 1 N/mm ² (EN 1348)
Bonding after freeze/thaw cycles	≥ 1 N/mm ² (EN 1348)
Open time (EN1346)	≥ 1 N/mm ² (EN 1348)
Sliding tile (EN1308)	≤ 0,5 mm (EN1308)
Resistance to aging	Excellent
Resistance to moisture	Excellent
* Data expressed according to standard EN 12004 at (23 ± 2) ° C and (50 ± 5)% relative humidity. Lower temperatures increase the times of maturation and hardening. Ventilation or dry air can drastically reduce the values of open time.	

HAZARD CLASSIFICATION:

Irritant (according to Regulation 2008/1272/CE). Before use, read the instructions on the bag and its "Safety Data Sheet". Product conforms to the DM 10/05/2004. Content of Cr VI less than 2 p.p.m.

CUSTOMS CLASS:

3824 50 90

PACKAGING:

TEKNO GRIP TE is supplied in 25 kg bags on plastic-sealed wooden pallets.

ANTEBIAGO SRL

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STORAGE:

- Keep the product in its undamaged original packaging. Do not disperse the powder.
- According to the Law DM 10/05/2004 the properly stored product must be used within 12 months if white or gray in colour or 6 months from the production date stamped on the bag.

WARNINGS:

- Do not use in thicknesses greater than 5 mm or when a quick step is required.
- Use only materials dimensionally stable, not sensitive to moisture and not subject to staining due to water absorption (verify the behaviour of natural stone and agglomerates before laying).
- Protect the installed tiles from rain or water for at least 24 to 48 hours and from frost or direct sunlight for at least 2 days.
- Do not apply ice or other substrates at ambient temperatures below + 5 ° C.
- Grouting using dark coloured sealant must occur only at least 5 to 7 days after application (to ensure the substrate is dry).
- It is not recommended to add third-party products.
- In outdoor areas or in areas subject to heavy traffic with the upper side to, a double-spreading technique is always required, i.e. application of the adhesive to the substrate using a notched trowel and "coating" of adhesive on the back of the tile.
- Respect the existing structural joints and make any necessary expansion joints.
- If sanding work is necessary, wait 28 days after laying.
- Do not use in the case of rising damp.

THE PRODUCT IS FOR PROFESSIONAL USE ONLY

The above indications derive from our current best experience. Since site conditions can greatly vary, we highly recommend the user to carefully verify, with practical tests, that the product is suitable for the tasks in any case. The user takes responsibility for incorrect use.

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