

Technical 13.01.2017

## AFE

### Adhesive for ceramic plating outdoors

#### Use:

Adhesive mortar, C1 T according to SR EN 12004+A1 / 2012. Adhesive for ceramic plating (tiles and floor tiles), for indoors and outdoors, in a thin layer, on mineral absorbent bases, cement plaster and cement lime, ACC, concrete, cement screeds and other similar, in dry or moist areas, exposed to frost/thaw, temperatures between -20°C and +80°C. Depending on the absorption of the base, it is primed or properly moistened. Product does not apply on wood, plastic, metal, etc.



#### Characteristics:

- High resistance and adherence
- easy processing

#### Technical data:

Item No.:	AFE
Material foundation:	Cement, mineral aggregates, polymers, plasticizer
Adhesive Class:	C1T according to SR EN 12004+A1 / 2012
Slippage:	Max. 0,5 mm
Initial adherence by tension:	Min. 0,5 N/mm <sup>2</sup>
Adherence by tension, after water immersion:	Min. 0,5 N/mm <sup>2</sup>
Adherence by tension after aging under heat:	Min. 0,5 N/mm <sup>2</sup>
Adherence by tension after frost-thaw cycles:	Min. 0,5 N/mm <sup>2</sup>
Bucket time:	Approx. 2 hours
Open time:	20 minutes
Air/substrate temperature when placing:	Min. +5°C max. +30°C
Consumption:	Approx. 3 – 4 kg/m <sup>2</sup>
Packaging:	Paper bag resistant to humidity
Delivery:	25 kg
Storage / Validity:	12 months from date of fabrication on the packaging, according to Directive 1907/2006/EC and GR 932/2004, at 20°C and 65% relative humidity. Store in dry spaces on wooden pallets.

Technical data and those related to consumption are determined in standard conditions. There may be differences depending on conditions of applications.

**Base:**

Surface of the support layer must be resistant, clean, dry, without cracks or fissures, adherent and compact, free of grease, dusts, loose debris, salts or other materials than can form a separator layer. Fragile areas and mortar residues must be removed. The base will be plastered with cement and lime-based standard mortar or with ADEPLAST® mortars. For surfaces such as uneven screeds, all unevenness will be corrected by applying a self-leveling screed. ACC walls will be plastered in advance with cement-lime-based mortar (ADEPLAST MTI 25 for interior use, ADEPLAST MTE 35 for exterior use), and after the mortar is completely hardened (7 days/cm layer thickness) you can apply the adhesive. Product is not used on flexible bases, but only on stable bases, such as cement-lime plasters, cement screeds, etc.

**Processing:**

For 25 kg, mix homogeneously approx. 6 - 6,5 liters of clean water, respectively 0,24 - 0,26 liters of clean water for 1 kg, with an electric mixer with a shaft for adhesives. Leave to rest 5 to 10 minutes and then give a brief, vigorous mix one more time. Lay the adhesive on the base in a 4-5 mm layer and then distribute it with a 6-10 mm serrated grouter, depending on the size of the plates. Open time for adhesion is 20 to 25 minutes. Lay on the base only the amount of material that can be plated during the open time for adhesion. The open time for adhesion can be reduced in conditions of high temperature or air currents. In this situations, when you gently touch the adhesive layer, it no longer gets stuck on your fingers, and you see a thin film formed at the surface of the material. In this situation, the adhesive is laid once more on the base and is leveled again with the grouter, to break the film formed. We recommend to firmly press the tile on the surface and adjust it with slightly lateral moves, to ensure a minimum contact of 75% with the base through the adhesive. When applying outdoors, apply the adhesive both on the base and the ceramic tile, so that the contact surface through the adhesive, is 100%.

Plated surface is jointed with ADEPLAST QK-6, QK-7 or QK-15, after minimum 24 hours. Any subsequent works on the plated surface will be performed only after minimum 72 hours. These time ranges are taken into account at 20°C and 65% relative humidity. Low temperatures and high air humidity prolong this drying and hardening period.

**Important:**

- Consideration must be given to additional measures for the protection of surfaces against fast dehydration, bad weather or frost;
- During adhesion, avoid direct exposure of surfaces to sunlight;
- Comply with the information in the technical security sheet;
- This technical sheet replaces all previous versions. Information in this technical sheet represent our experience with this product up to this day. This technical sheet does not clear the user of the product from making his own decision and evaluation including by samples, regarding the appropriateness of using the product. SCHOMBURG / ADEPLAST products as well as their aggregate raw materials are continuously monitored in our own laboratories for consistent quality. Our advisory service is available for questions regarding product application and demonstrations. Comply with the information in the security technical sheet.