

Technical 27.08.2018

AFN

Superplastic, highly resistant adhesive for ceramic plating

Use:

Adhesive mortar, C2T according to SR EN 12004+A1 / 2012. Adhesive for ceramic plating, tiles and floor tiles, porcelain tiles, artificial stone, clinker, with or without absorption, on walls and floors, for indoors and outdoors, in moist or dry areas, exposed to frost/thaw, and temperatures between - 25°C and +80°C, in a thin layer, on mineral bases with or without absorption, cement plaster and cement lime, ACC, concrete, cement screeds, old tiles and floor tiles, polished concrete, plasterboards. 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
- High adherence
- Easy processing
- High flexibility

Technical data:

Item No.:	AFN
Material foundation:	Cement, mineral aggregates, polymers, plasticizer
Adhesive Class:	C2T according to SR EN 12004+A1 / 2012
Slippage:	Max. 0,5 mm
Initial adherence by tension:	Min. 1 N/mm ²
Adherence by tension, after water immersion:	Min. 1 N/mm ²
Adherence by tension after aging under heat:	Min. 1 N/mm ²
Adherence by tension after frost-thaw cycles:	Min. 1 N/mm ²
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 ²
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. Surface of the base must be washed and degreased with minimum 4 hours before applying the tiles. Inspect the surface by gently tapping with a hammer before plating, to determine the resistance of the base, respectively to see if it is resistant enough for plating. For critical or deformable surfaces, use AF S white or AF S grey. Mineral bases, concrete plasters or screeds must be minimum 28 days old, respectively be completely dry and hardened.

Processing:

For 25 kg, mix homogenously 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%. When applying on a flat non-absorbent surface, such as polished cement, mosaic, old tiles or floor tiles, apply a layer of adhesive of 0,5 - 1 mm thickness as a bonding bridge. Ceramic plating is done after 24 hours.

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.