

TECHNICAL DATA SHEET

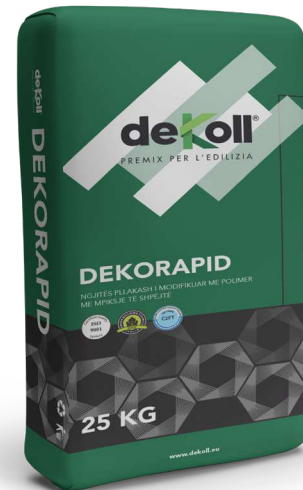
DEKORAPID C2FT

DESCRIPTION

DEKORAPID is a polymer-modified, cement-based tile adhesive formulated for fast application and high adhesive strength in tile installation systems.

The product is designed for indoor and outdoor applications on walls and floors, particularly where rapid completion of work and quick return of the surface to service are required. Its formula, containing marble sand with selected particle size distribution, synthetic resins, and modified additives, provides good workability, thixotropic

properties for vertical application, slip resistance, and suitable performance for low-absorption tiles, porcelain stoneware, marble, and dimensionally stable natural stone.



CLASSIFICATION ACCORDING TO THE STANDARD

Cement-based tile adhesive (C), with improved adhesive strength (2), slip resistance (T), and fast setting time (F). Classified as a C2FT adhesive according to EN 12004. DEKORAPID has very low VOC (volatile organic compound) emissions, contributing to environmental protection and the health and safety of applicators, in accordance with EC1 Plus requirements.

CHARACTERISTICS

- Fast drying and quicker completion of work compared to standard-setting adhesives.
- High initial and final adhesive strength, suitable for ceramic tiles and low-absorption porcelain stoneware.
- Low slip in vertical applications: ≤ 0.5 mm, according to the declared parameters for class T.
- Very good workability.
- Suitable for walls, floors, bathrooms, kitchens, balconies, terraces, and high-traffic areas.
- Suitable for medium- and large-format tiles, using the double-buttering technique for large tiles or exposed areas.
- Resistant to freeze-thaw cycles according to the declared technical data, suitable for outdoor applications when substrate and application requirements are met.

AREAS OF APPLICATION

DEKORAPID is used for bonding tiles in indoor and outdoor environments, on walls and floors, over cement-based mineral substrates and properly prepared surfaces. It is suitable for applications requiring fast installation, particularly renovations, commercial premises, service areas, and spaces where downtime must be minimized. Suitable for:

1. Ceramic tiles, porcelain stoneware, clinker, terracotta, and low-absorption tiles.
2. Marble and natural stone, provided they are dimensionally stable and not sensitive to moisture or staining.
3. Applications in bathrooms, showers, kitchens, corridors, schools, hospitals, shops, restaurants, and public spaces.
4. Applications on balconies and terraces, provided the base layers are strong, dry, clean, and structural movements are controlled by expansion joints.
5. Medium- and large-format tiles; full adhesive coverage is required for large formats.
6. Rapid tile repairs or replacements in areas where quick reopening to traffic is necessary.

TECHNICAL DATA SHEET**DEKORAPID C2FT****MIXTURE PREPARATION**

Mix 6.5–7 liters of clean water with 25 kg of DEKORAPID using an electric mixer until a homogeneous, lump-free mixture is obtained. Allow the mixture to rest for 5 minutes, then mix again before use. The pot life of the mixture is 60 minutes, while the adjustment time is 20 minutes under normal temperature conditions (20°C).

SUBSTRATE PREPARATION

Cement-based substrates must be stable, resistant, even, free from oils and paint residues, and must have completed the required curing period. Traditional cement-based floors with normal hardening times should be allowed to cure for at least 28 days. Significant unevenness or large cracks must be repaired beforehand. All types of substrates must be mechanically cleaned before applying the product.

Substrates:

- Traditional cement screeds: Must be fully cured, stable, and free from active shrinkage; normally 28 days for standard screeds. Clean mechanically, remove dust, and level cracks or depressions before application.
- Cement plaster: Must be strong and dry; curing time depends on thickness and climatic conditions. Clean the surface and lightly dampen it if it is highly absorbent and the temperature is high.
- Concrete: Must be fully cured, free from release agents and cement laitance on the surface. Before applying the adhesive, the surface must be primed with Beton Primer.
- Gypsum / Anhydrite: Must be completely dry, strong, and free from dust; moisture content must be measured. A suitable primer for gypsum/anhydrite substrates (Beton Primer) is required before applying the cementitious adhesive.

APPLICATION

Initially, it is recommended to spread the product using the flat side of the trowel to achieve uniform distribution, followed by the notched side. Application should be carried out using a suitable trowel according to the type of tile being installed. Tiles should be installed by applying slight pressure, ensuring that the entire tile surface is covered with adhesive. Under normal atmospheric conditions, the product has an open time of 20–30 minutes at a temperature of 20°C. Atmospheric conditions may affect the drying time of the product. Care must be taken to prevent the adhesive from forming a surface film. If a film forms, it is necessary to pass the trowel over the adhesive again. The prepared adhesive must be covered with tiles within 20 minutes to prevent skin formation, meaning before the adhesive layer begins to set.

TECHNICAL DATA SHEET**DEKORAPID C2FT****LIMITATIONS AND RECOMMENDATIONS**

1. Do not use on metal, rubber, PVC, linoleum, or plastic surfaces without a suitable primer system and preliminary compatibility testing.
2. Do not use on wood, wooden panels, substrates subject to high vibration, or surfaces with significant deformation without a specially designed system.
3. Do not use on moisture-sensitive natural stones, green marble, certain types of slate/sandstone, or materials that may deform or stain when exposed to water.
4. Do not add water once the mixture has started to set. Hardened adhesive cannot regain its original performance by adding water.
5. At low temperatures, high humidity, on waterproofed substrates, or when installing very large tiles, grouting and return-to-service times may be extended.
6. On highly absorbent surfaces or at high temperatures, the open time may be significantly reduced. Continuously check for surface skin formation.

The data and recommendations in this document are based on current information regarding DEKORAPID C2FT and standard technical practices for C2FT-class tile adhesives. Actual site conditions, substrate type, mixing water, temperature, humidity, tile dimensions, and application technique may affect the final result. The user must verify the suitability of the product for the intended application. For final publication, technical values must be consistent with laboratory test reports, the Declaration of Performance, and the current Safety Data Sheet (SDS) of the product.

TECHNICAL DATA SHEET**DEKORAPID C2FT****TECHNICAL DATA**

Appearance:	Powder
Packaging:	25 kg paper bags on 1350 kg pallets
Colour:	Grey
Consumption:	3-5 kg/m ²
Storage:	Store in dry places on wooden pallets
Shelf life:	12 months from the production date
Bulk density:	1.5-1.6 gr/cm ³
Reaction to fire:	Class F
Mixing water:	6.5-7 litra ujë për 25 kg
pH of the mixture:	13
Application temperature:	+5°C to +35°C
Adjustment time:	35 min
Wall grouting:	After 3 hours
Floor grouting:	After 4 hours
Adhesive strength after 28 days:	≥1 N/mm ²
Adhesive strength after water immersion:	≥1 N/mm ²
Adhesive strength after heat exposure:	≥1 N/mm ²
Adhesive strength after freeze-thaw cycles:	≥1 N/mm ²
Initial adhesive strength:	≥0,5 N/mm ²
Slip resistance:	≤0,5 mm