

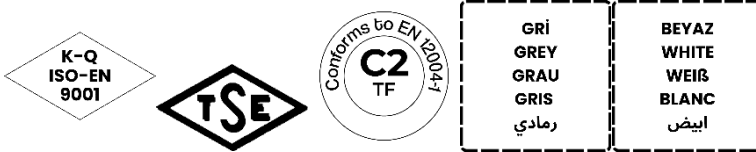
KRAFT PRO RAPID

TECHNICAL DATA SHEET

KRAFT® PRO Rapid

DESCRIPTION

It is a cement based, fast hardening adhesive mortar with high adhesion strength used for bonding surface coating materials such as ceramic, tile and granite.



TS EN 12004-1 Adhesives - Tile Adhesives - Properties, conformity assessment, classification and display Conforms to class C2TF.

C2 = Cement-based adhesive enhanced with additional properties

T = Reduced slip feature

F = Fast curing adhesive

USAGE PLACES

- Especially in indoor and outdoor areas where quick opening to use is required (drying in 4 hours)
- Bonding ceramic, granite, natural stone, etc. coating materials on surfaces such as old concrete, plaster, screed
- **TECHNO KRAFT® FILLED PRIMER** should be used before coating on exposed concrete, gypsum plastered surfaces and gypsum board and ceramic on ceramic. Bonding should be done at least 24 hours after the application of FILLED PRIMER. (see **TECHNO KRAFT® FILLED PRIMER**)

POINTS TO BE AWARE OF

- Do not apply on wood, OSB, PVC, bitumen surfaces, painted and metal surfaces.
- Do not apply within 24 hours on surfaces where frost hazard may occur.
- Avoid application under sun and strong wind. Application must be made when the surface temperature is between +5 °C and +25 °C.
- Since the mortar sets quickly, the adhesive should be applied to the surface in a maximum area of 1m² during application.
- It is recommended to use protective gloves during application. For more detailed protective measures, please refer to the material safety data sheet of the product.

ADVANTAGES

- It is one component, easy to prepare and apply.
- Since its water retention capacity is very high, pot life and working time are very high.
- Adhesion strength is high. It does not slip vertically.
- It is resistant to stresses that may occur due to temperature differences.
- Can be easily used indoors and outdoors
- It has the ability to apply ceramic and joint on the same day.
- Its flexibility is quite high.

VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING CO.

CENTRE: Beştepe Mah.No: 1/113 Yenimahalle/Ankara

ANTALYA FACTORY: Çıplaklı Mah. 22171 Cd. No:14 Döşemaltı/Antalya

E-MAIL info@kraftbau.com.tr

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SURFACE PREPARATION

The application surface must be clean, smooth and free from paint, scraped plasters and levelled to prevent adhesion. Holes and cracks on the surface over 5 mm must be filled with **KRAFT® Repair Mortar (thin or thick)** 2-3 days in advance (see **KRAFT® Repair Mortar**). Otherwise, the coatings applied on the unsealed holes and cracks are at risk of cracking and breaking when exposed to point load. If the surface is not smooth enough, the floor should be levelled with **TECHNO KRAFT® Self Leveling** vertical **KRAFT® Ready Plaster** (see **TECHNO KRAFT® Self Leveling- KRAFT® Ready Plaster**). For very porous surfaces and hot weather applications (if the surface temperature is above +25 °C), the surface must be pre-wetted so that it is moist for the appropriate temperature. This will prevent the adhesive from losing its water fast.

USAGE MANUAL

1 Bag (25 kg) **KRAFT® PRO Rapid** 6-6,5 kg is slowly added into 6-6,5 kg of water and mixed with a 400-600 rpm mixer for 3 minutes until it reaches paste consistency. The mixture **is left to rest for 2 minutes**, then mixed again and applied to the surface with a suitable trowel. According to the size of the coating to be laid, **appropriate combing** is made, the coating materials are laid on the surface and fixed with the help of a rubber mallet. In order to ensure and increase the contact of the coating material with the adhesive, the material to be coated is floated in the mortar. After the material is pulled to the surface with a trowel and combed, it should be adhered according to the air temperature and climatic conditions in which the material is used. In such cases, the adhesive is pressed with a finger and the adhesive surface is checked. If the material gets on the fingers, the bonding process is continued. Otherwise, the bonding process should be terminated and the dried adhesive material should be scraped off the surface and new adhesive should be applied to the surface. The adhesive applied surface should be protected from frost within the first 24 hours. All tools and equipment used after the application should be cleaned with water before the mortar dries. The manufacturer's information written on the packaging should be taken into consideration before and during the application.

Warning : KRAFT PRO Rapid sets fast. Therefore, the mortar should not be spread over a very wide area considering the application speed.

TECHNICAL SPECIFICATIONS

Colour	Grey - White
Material Content	Contains special cement, mineral filler and polymer additives.
Tensile Bond Strength-concrete surface (EN 12004)	TS EN 12004-1 Improved cementitious adhesive for tiles -Reaction to Fire Class A1 -Release of Hazardous Substances (Release of dangerous substances) see MSDS Bond Strength -Early Tensile Bond Strength $\geq 0.5 \text{ N/mm}^2$ (Early Tensile Adhesion Strength) -Initial Tensile Bond Strength (Initial Tensile Adhesion Strength) $\geq 1.0 \text{ N/mm}^2$ Durability -Tensile Adhesion Strength after Heat Aging (Tensile Adhesion Strength after Heat Storage) $\geq 1.0 \text{ N/mm}^2$ -Tensile Adhesion Strength after Wet Storage (Tensile Adhesion Strength after Wet Storage) $\geq 1.0 \text{ N/mm}^2$ Tensile Adhesion Strength after Thaw-Freezing Cycle (Tensile Adhesion Strength after Thaw-Freezing Cycle) $\geq 1.0 \text{ N/mm}^2$
Grain Size (EN 12192-1)	D _(max) <0.8 mm
Mixing Ratio	25 kg powder + 6-6,5 kg water
Application Thickness	3mm - 10mm
Temperature Resistance	-40°C / +100°C



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Open Hold Time	Max . 15 minutes
Maturation Time	Min 2 minutes
Container Life	Max . 30 minutes
Slip (mm) (EN 1308)	None
Wettability (EN 1347)	%98
Joint Application	After at least 4 hours on the wall and floor
Opening Time to Traffic	At least 8 hours after grouting After at least 24 hours for light pedestrian traffic After 2 days for heavy pedestrian traffic
Shelf Life	12 months from the date of manufacture under appropriate storage conditions When not in use, the packaging should be tightly closed and the material should be consumed within 1 week at the latest.

The above values are valid at +21 °C and 50% relative humidity.

EXPENDITURE

Ceramic Sizes	Ceramic Comb Tooth Size	Consumption (kg/m ²)
Glass Mosaic	4 mm	3kg
up to 15 cm x 15 cm	6 mm	4 kg (single-sided) 5 kg (double-sided)
up to 30 cm x 30 cm	8 mm	5 kg (single sided) 6.5 kg (double-sided)
larger than 30 cm x 30 cm	10 mm	6 kg (single sided) 7.5 kg (double-sided)

PACKAGING and STORAGE

CODE	PACKAGING
KR-8200	KRAFT® PRO Rapid (25 kg) (white)

Store the material in its unopened packaging in a dry environment, protected from frost. Do not stack pallets on top of each other, especially in long-term storage.

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