

KRAFT MASTER

DESCRIPTION

It is a cement based adhesive material used for bonding ceramic, tile and marble.



TS EN 12004-1 Adhesives - Tile Adhesives - Properties, conformity assessment, classification and display Conforms to C1TE class.

C1 = Normal hardening
cementitious adhesive

T = Reduced slip property

E = Extenuated detention period

USAGE PLACES

- Interior and exterior spaces; vertical and horizontal tile, ceramic adhesive applications and horizontal granite applications
- For outdoor bonding, it is recommended to mix with **TECHNO KRAFT ACRYLIC BASED ADHERENCE IMPROVING PRIMER** (see **TECHNO KRAFT ACRYLIC BASED ADHERENCE IMPROVING PRIMER**).
- KRAFT Master white** should be preferred for marble bonding.

POINTS TO BE CONSIDERED

- It is not applied on wooden, OSB, PVC, bituminous and metal surfaces, painted and waterproofing surfaces.
- It is not applied on surfaces **where** movement and stress may be **high**.
- Not suitable for coatings on surfaces where the temperature can change in a short time, such as terraces, balconies, etc. (see **KRAFT PRO+**)
- Do not apply on surfaces where frost risk may occur during the year. (see **KRAFT PRO+**)
- White adhesive materials set earlier than normal grey coloured adhesives.
- Avoid application under the sun and strong wind. Application must be made when the surface temperature is between +5 °C and +25 °C.
- It is recommended to use protective gloves during applications. For more detailed protective measures, please refer to the material safety data sheet of the product.

ADVANTAGES

- Single component, easy to prepare and apply.
- Does not slip in vertical applications.
- Does not collapse.
- White coloured adhesive mortar prevents reflection of mortar on the surface of coating materials such as marble.

SURFACE PREPARATION

The application surface must be clean, smooth and free of paint, scraped plasters that will prevent adhesion and leveled. Holes and cracks on the surface over 5 mm should 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 flat enough, the floor should be levelled with **TECHNO KRAFT Self Leveling vertical KRAFT Ready Plaster** (see **TECHNO KRAFT Self Leveling - KRAFT Ready Plaster**). For applications to be made on very porous surfaces and in hot weather (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.

VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING CO.

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USAGE METHOD

1 Bag (25 kg) **KRAFT Master** (grey or white) is slowly added into 6-6,5 kg water and mixed with a mixer at 400-600 rpm for 5 minutes until it reaches paste consistency. The mixture **is left to rest for 5 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. (Ceramic or the material to be coated is placed on the adhesive surface by moving up and down and left and right). 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. All tools and equipment used after the application should be cleaned with water before the mortar dries. The information written on the manufacturer's packaging should be taken into consideration before and during the application.

TECHNICAL SPECIFICATIONS

Colour	Grey-White
Material Content	Contains cement, mineral filler and additives.
Tensile Bond Strength-concrete surface (EN 12004)	<p>TS EN 12004-1 Improved cementitious adhesive for tiles</p> <p>-Reaction to Fire Class A1</p> <p>-Release of Hazardous Substances (Release of dangerous substances) see MSDS</p> <p>Bond Strength</p> <p>-Early Tensile Bond Strength applicable (Early Tensile Adhesion Strength) not</p> <p>-Initial Tensile Bond Strength (Initial Tensile Adhesion Strength) $\geq 0.5 \text{ N/mm}^2$</p> <p>Durability</p> <p>-Tensile Adhesion Strength after Heat Aging (Tensile Adhesion Strength after Heat Storage) $\geq 0.5 \text{ N/mm}^2$</p> <p>-Tensile Adhesion Strength after Wet Storage (Tensile Adhesion Strength after Wet Storage) $\geq 0.5 \text{ N/mm}^2$</p> <p>Tensile Adhesion Strength after Thaw-Freeze Cycle (Tensile Adhesion Strength after Thaw-Freeze Cycle) $\geq 0.5 \text{ N/mm}^2$</p> <p>-Tensile Adhesion Strength after open waiting time (Tensile Adhesion Strength after open waiting time) $\geq 0.5 \text{ N/mm}^2$</p>
Grain Size (EN 12192-1)	$D_{(max)} < 0.8 \text{ mm}$
Mixing Ratio	25 kg powder + 6-6,5 kg water
Application Thickness	3mm - 10mm
Temperature Resistance	$-40^{\circ}\text{C} / +100^{\circ}\text{C}$
Open Hold Time	≥ 30 minutes
Maturation Time	min 5 minutes
Container Life	2 hours
Slip (mm) (EN 1308)	None
Wettability (EN 1347)	%90
Joint Application	After at least 24 hours on the wall and floor
Opening Time to Traffic	At most 24 hours after grouting After at least 24 hours for light pedestrian traffic At least 7 days for full 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.



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

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TECHNICAL DATA SHEET

EXPENDITURE

Ceramic Sizes	Ceramic Comb Tooth Size	Consumption (kg/m ²)
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-802	KRAFT Master-gray (25 kg)
KR-806	KRAFT Master-white (25 kg)

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

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