



DESCRIPTION

Designed for bonding tiles, ceramics, and similar materials to all types of concrete, plaster, cement, and cement-based surfaces. Cement-based, normally setting, high-adhesion, non-slip ceramic adhesive. Can be used for horizontal and vertical applications indoors and outdoors. Suitable for large format ceramics with water absorption $>3\%$ ($< 60 \times 60$ cm). Does not slip on vertical applications up to 60×60 cm. Suitable for swimming pools, water tanks, baths, bathrooms, terraces, balconies, and other wet areas. Can be used where there are significant temperature differences, continuous water exposure (pools), for bonding natural stone, BTB, glass mosaics, insulating boards and blocks made of pumice or aerated concrete to raw concrete, wall construction with pumice or aerated blocks, underfloor heating systems, heated pools, thermal pools, winter pools not emptied, cold storage walls, and flooring cladding. Single-component, ready to use, to be mixed only with water.

PRODUCT FEATURES	AREAS OF USE
Excellent adhesion Excellent workability Easy and fast application No slip-on vertical surfaces Suitable for wet areas Excellent resistance to weathering Water resistant Heat resistant Fast drying resistant	Suitable for properly prepared mineral-based surfaces indoors and outdoors for: Mosaic, ceramic, tile, covering ceramics, thermal and acoustic insulation layers, and similar materials. ready to use! follow application instructions! consult us for all other application surfaces.

IMPORTANT NOTICE

Property	Value
Relevant Standard	EN 12004-1

PACKAGING DETAILS

- 25.00 kg kraft bag
- 1 pallet (105x105 cm): 64 bags, 1600 kg

CLEANING INSTRUCTIONS

- Small spills should be cleaned immediately with water before mortar sets.
- All tools (straight edge, steel trowel, level, mixer) should be cleaned with water.
- Major spills should be absorbed and removed.
- Contaminated material must be disposed of according to local regulations.

TECHNICAL INFORMATION

Property	Value
Product Class	C2T
Document Number	007446-TSE-10/03
Fire Class	A1, non-combustible
Water/Cement Ratio	22–25%
Pot-Life	Min. 6 hours
Pedestrian Traffic Opening Time	Wall: 8 hours, Floor: 1 day
Public Works Item No	04.013/1
Color	Grey - White
Adhesion Strength*	$\geq 1.0 \text{ N/mm}^2$
Adhesion Strength after Water Immersion*	$\geq 1.0 \text{ N/mm}^2$
Adhesion Strength after Heat Aging*	$\geq 1.0 \text{ N/mm}^2$
Adhesion Strength after Freeze-Thaw*	$\geq 1.0 \text{ N/mm}^2$
Adhesion Strength after Open Time (20 min) *	$\geq 0.5 \text{ N/mm}^2$
Slip	$\leq 0.5 \text{ mm}$

- Results of 28 days

SURFACE PREPARATION

All surfaces must be clean, dry, sound, and free from dirt, grease, oil, wax, detergent, or any contaminants that may affect adhesive performance. Loose lime, chalked, cracked, or flaking coatings must be removed manually, with wire brushes, sanding, pressure washing, or sandblasting. Remove dust by vacuuming or sweeping; residual dust reduces adhesion. Ensure surfaces are level before application. Cracks, voids, or damage should be repaired with Kar Repair mortar and application of KarSer Granit should be done 3–4 days later. For marble, ceramic, or cobblestone surfaces, roughen surfaces and remove dust by vacuuming. Mineral surfaces must be moistened with water at least 30 minutes before application. For aerated concrete, raw concrete, or gypsum board, primer is recommended at least 1 day before application.

APPLICATION NOTES

Never add lime, cement, or gypsum to KarSer Granit. Application temperature: +5°C to +35°C. Do not apply to frozen, thawing, or frost-prone surfaces within 24 hours. Avoid direct sunlight, strong wind, or heated surfaces. Cover work area and keep doors/windows closed; allow only healthy airflow openings. Resistant to fast drying. Dusty backs (engobes) should be brushed clean. Allow at least 7 days before grout application depending on conditions. Protect from sunlight, strong wind, high temperature (+35°C+), rain, and frost until full cure. Equipment must be cleaned with plenty of water. Rapid setting at high temperatures is normal. Mix only with water at specified ratio. Cannot be applied on permanently wet surfaces. Wear safety clothing, goggles, and masks during application. Do not inhale. In case of eye contact, rinse with plenty of water for 15 minutes and seek medical advice.

APPLICATION INSTRUCTIONS

- Wear proper clothing, goggles, and masks.
- Slowly add 25 kg of KarSer Granit to 5.50–6.25 liters of clean, clear water.
- Mix with trowel or low-speed mixer until lump-free. Let sit for 5 minutes, then mix again 1–2 minutes.
- Mix water should be at normal ambient temperature (+23±3°C).
- Apply prepared mortar with a notched trowel. Cover material should be bonded within 15–20 minutes. If time exceeds, remove mortar and adhesive and reapply fresh mix.

PRODUCT LIMITATIONS

- No acid resistance.
- Not suitable for high-heat areas.
- Do not add excessive water.
- Do not use below minimum temperature; low temperature slows setting; high temperature accelerates setting. Workability depends on temperature.
- Not subject to ADR.
- Service Temperature: -40°C – +80°C
- Application Temperature: +5°C – +35°C

CONSUMPTION – SHELF LIFE – STORAGE

- Consumption: 3.0–5.0 kg/m² depending on surface.
- Shelf Life: Store in original packaging in dry environment +5°C to +35°C.
- Unopened package: at least 12 months. Close bag tightly if unused. Consume the bag opened within 1 week. Max stacking 10 layers.

SAFETY & PRECAUTIONS

Avoid prolonged skin contact, inhalation of dust, vapor, or spray. Use with sufficient ventilation. Wear CE-approved respirator if necessary. Avoid eye, skin, and clothing contact. Wash hands thoroughly before eating, drinking, or smoking. Close container after use.

FIRST AID

- **Skin:** wash with warm soapy water.
- **Eyes:** rinse with plenty of water for 15 minutes, seek medical help.
- **Inhalation:** move to fresh air; seek medical help if breathing difficulties persist.
- **Ingestion:** do not induce vomiting; seek medical attention immediately.

WARRANTY & DISCLAIMER

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