

# CERAMAX

## CERAMIC TILE ADHESIVE



### DESCRIPTION

- Cement-based, easy-to-use tile adhesive with reduced slip feature, used for bonding ceramic and tile materials.

### INTENDED USES

- Horizontal and vertical applications of interior surfaces,
- On surfaces such as concrete, screed, plaster,
- It is used for bonding ceramic and tile materials.

### PROPERTIES

- Easy-to-use. Desired consistency can be achieved by mixing with water only.
- Open time is 20 minutes.

### SURFACE TREATMENT

- Surface must be clean, dry, smooth and solid.
- Surface must be cleaned from oil, dirt and paint residues that will prevent adhesion.
- Fractured and hollow areas on the surface must be repaired with **TH-500 Repair mortar** at least 24 hours prior to application.
- Dusty surface behind tiles must be moistened by wiping.
- Surface must be moistened in applications above 30°C.

### APPLICATION

- Slowly pour 25 kg **CERAMAX** powder into 6.0-6.5lt water and thoroughly mix it for 3-5 minutes with a low-speed mixer until it becomes a smooth, homogeneous substance.
- Do not add any additional additives, unless mentioned in the instructions.
- Rest the prepared mortar for 5 minutes and stir it again for 1-2 minutes before application.
- Spread the mortar onto the substrate with notched trowel of which notch size is appropriate to the tile dimension and the smoothness of the application surface.
- Tiles should be bonded within 20 minutes by applying a force with a rubber hammer on the combed mortar. This period may be shortened in applications made in unfavourable ambient conditions such as high temperature, low humidity and wind.
- Bonding process should not be done if the mortar expires the open time, the mortar should be scraped off the surface.
- After 24 hours from **CERAMAX** application, the application is completed with **DRZ-300 Flex tile grout** according to the appropriate joint width.

### TECHNICAL DATA

Appearance	Grey and white powder
Application temperature	(+5°C) - (+30°C)
Temperature resistance	(-30°C) - (+60°C)
Open time	20 minutes
Time required for grouting	24 hours

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### WARNINGS AND RECOMMENDATIONS

- It is not suitable to use in horizontal and vertical applications of exterior surfaces, in wet areas such as bathrooms and kitchens, very wet areas such as pools, areas with heat fluctuations, underfloor heated areas, tile on old tile applications, areas exposed to heavy load traffic, areas where fast application is required, exposed concrete, gypsum plaster, gypsum plaster-board surfaces, metal surfaces and wood floors.
- Application in areas with wet and heat fluctuations is not suitable.
- **CERAMAX** is suitable for use within 20 minutes of application to the surface to be applied.
- Use in excess of 20 minutes is not appropriate.
- Do not apply during extremely hot, windy and rainy weather.
- Double-sided application is recommended as the size of the tile increases.
- After application of **CERAMAX**, direct contact with water must be avoided for at least 24 hours.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- During application, surface must be protected from wind and direct sunlight.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

### CONSUMPTION

TILE	TROWEL	CONSUMPTION
120 cm <sup>2</sup>	6x6x6 mm	4 kg/m <sup>2</sup> for single-sided application 5-6 kg/m <sup>2</sup> for double-sided application
120 cm <sup>2</sup> -500 cm <sup>2</sup>	8x8x8 mm	5 kg/m <sup>2</sup> for single-sided application 6.5 kg/m <sup>2</sup> for double-sided application
500 cm <sup>2</sup> -2000 cm <sup>2</sup>	10x10x10 mm	5.5 kg/m <sup>2</sup> for single-sided application 7-8 kg/m <sup>2</sup> for double-sided application

### SHELF LIFE

- Shelf life 12 months from the date of manufacture if it is stored in a dry and cool environment.

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

KOCAELİ KOBİ Organize Sanayi Bölgesi 18. Cadde No: 22 Köşeler - Dilovası / KOCAELİ / TURKEY

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### PACKAGING

- 25 kg Kraft bag (Pallet 64 bags, 1600 kg)


### COMPLEMENTARY PRODUCT(S)

- TH-500 Repair mortar
- DRZ-300 Flex tile grout

### QUALITY CERTIFICATES

- In Accordance with TS EN 12004 standards and C1T class.
- **C1**: Normal setting cementitious adhesive
- **T**: Reduced slip feature



 YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerciler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ <b>18</b> <b>DoP number: 05.PB 12004.002</b>	
<b>TS EN 12004-2:2017</b> <b>CERAMAX</b> Normal setting cementitious tile adhesive with reduced slip feature <b>C1T</b>	
Initial tensile adhesion strength	: $\geq 0,5 \text{ N/mm}^2$
Tensile adhesion strength after water immersion	: $\geq 0,5 \text{ N/mm}^2$
Tensile adhesion strength after heat ageing	: $\geq 0,5 \text{ N/mm}^2$
Tensile adhesion strength after freeze/thaw cycles	: $\geq 0,5 \text{ N/mm}^2$
Open time: Tensile adhesion strength	: After 20 min $\geq 0,5 \text{ N/mm}^2$
Slip	: $\leq 0,5 \text{ mm}$
Fire reaction class	: A1

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