

EXTRAFLEX

CERAMIC TILE ADHESIVE



DESCRIPTION

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

INTENDED USES

- Horizontal and vertical applications of interior surfaces,
- Horizontal applications of exterior surfaces,
- In wet areas such as bathroom and kitchen (after waterproofing is done),
- 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 30 minutes.
- Does not slip in vertical applications.
- Extended open time.

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 35 °C.

APPLICATION

- Slowly pour 25 kg **EXTRAFLEX** 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 30 minutes by applying a force with a rubber hammer on the carded 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 the application of **EXTRAFLEX**, application is completed with **FUGAFLEX** Silicone additive 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 vertical applications of exterior surfaces, 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, metal surfaces and wood floors.
EXTRAFLEX is suitable for use within 30 minutes of application to the surface to be applied.
- Use in excess of 30 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 **EXTRAFLEX**, 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 ² | 6x6x6 mm | 4 kg/m ² for single-sided application 5-6 kg/m ² for double-sided application |
| 120 cm ² -500 cm ² | 8x8x8 mm | 5 kg/m ² for single-sided application 6.5 kg/m ² for double-sided application |
| 500 cm ² -2000 cm ² | 10x10x10 mm | 5.5 kg/m ² for single-sided application 7-8 kg/m ² 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.

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EXTRAFLEX

CERAMIC TILE ADHESIVE



PACKAGING

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

COMPLEMENTARY PRODUCT(S)

- TH-500 Repair mortar
- FUGAFLEX Silicone additive flex tile grout

QUALITY CERTIFICATES

- In Accordance with TS EN 12004 standards and C1TE class.
- **C1**: Normal setting cementitious adhesive
- **T**: Reduced slip feature
- **E**: Extended open time



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|--|--|
| CE | |
| YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerciler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ 18 | |
| DoP number: 05.PB 12004.003 | |
| TS EN 12004-1/2017 Cement-based Ceramic Adhesive with reduced vertical slip, extended open time and standard performance C1TE EXTRAFLEX Suitable for interior and exterior use EN 12004:2007+A1:2012 | |
| 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 30 minutes $\geq 0.5 \text{ N/mm}^2$ |
| Slip | : $\leq 0.5 \text{ mm}$ |
| Fire reaction class | : A1 |
| Does not contain dangerous substances | |

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