

GRANIMAX

FLEX CERAMIC AND GRANITE ADHESIVE



DESCRIPTION

- Cement based, high performance easy-to-use tile adhesive with reduced slip features, extended open time, **modified high flexibility**, improved with additional features, and used for bonding porcelain and granite tile materials.

INTENDED USES

- Horizontal and vertical applications of interior surfaces,
- Horizontal and vertical applications of exterior surfaces,
- Terraces,
- Underfloor heated areas,
- In areas with heat fluctuations,
- In areas exposed to heavy load traffic,
- Tile on tile applications (after application of **SS-41 Tile primer**),
- On exposed concrete (after application of **BB-12 Exposed concrete primer**)
- On gypsum plaster, gypsum plasterboard surfaces (after application of **UA-34 General purpose primer**),
- In wet areas such as bathroom and kitchen (after waterproofing is done),
- On surfaces such as concrete, screed, plaster,
It is used for bonding porcelain and granite tile materials.

PROPERTIES

- Easy to use. Desired consistency can be achieved by mixing only with water.
- Has high adhesion strength.
- Resistant to freeze-thaw cycle.
- Does not slip in vertical applications.
- Extended open time. Open time is 30 minutes.
- Resistant to surface tension caused by temperature differences.
- S1 class is flexible.

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 **REPAIR SW Waterproof structural 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.

TECHNICAL DATA

Appearance	: Grey and white powder
Application temperature	: (+5°C) - (+30°C)
Temperature resistance	: (-30°C) - (+60°C)
Open time	: 30 minutes
Time required for grouting	: 24 hours
Pot life	: 3 hours
Application thickness	: 3-10 mm
Time required for foot traffic	: 24-48 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.

APPLICATION

- Slowly pour 25 kg **GRANIMAX** powder into 6.5-7 Litre 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.
- Before applying the comb, mortar is applied on the floor where the application will be made and it should be scraped in a thin layer. Then, by applying mortar again, the comb should be drawn by giving a 60 ° incline with the appropriate size trowel.
- Tiles should be bonded within 30 minutes by applying a force with a rubber hammer on the combed mortar. Bonding process should not be done if the mortar expired the open time, the mortar should be scraped off the surface.
- After 24 hours from the application of **GRANIMAX**, application is completed with **FUGAFLEX Silicone additive flex tile grout** according to the appropriate joint width.

WARNINGS AND RECOMMENDATIONS

- It is not suitable to use on areas exposed to heavy load traffic (industrial areas etc.), areas where fast application is required, metal surfaces and wood floors.
- **GRANIMAX** 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 **GRANIMAX**, 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.

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

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PACKAGING

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

COMPLEMENTARY PRODUCT(S)

- **REPAIR SW** Waterproof structural repair mortar
- **FUGAFLEX** Silicone additive flex tile grout
- **SS-41** Tile primer
- **UA-34** General purpose primer
- **BB-12** Exposed concrete primer

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 -3600 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.

QUALITY CERTIFICATES

- In Accordance with TS EN 12004 standards and C2TES1 class.
- **C2**: Cementitious tile adhesive with improved additional features
- **T**: Reduced slip feature
- **E**: Extended open time
- **S1**: Deformable



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 12004.007	
TS EN 12004-2:2017 GRANIMAX Flexible cementitious tile adhesive with improved additional features, reduced slip features and extended open time C2TES1	
High initial tensile adhesion strength	: ≥ 1.0 N/mm ²
High tensile adhesion strength after immersion in water	: ≥ 1.0 N/mm ²
High tensile adhesion strength after heat aging	: ≥ 1.0 N/mm ²
High tensile adhesion strength after freeze-thaw cycles	: ≥ 1.0 N/mm ²
Extended open time: Tensile adhesion strength	: After 30 minutes ≥ 0.5 N/mm ²
Slip	: ≤ 0.5 mm
Deformability, transverse deformation	: S1, ≥2.5 mm & <5 mm
Fire reaction class	: B-s1,d0

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