

# GRANIFAST

## FAST SETTING PORCELAIN AND GRANITE ADHESIVE



### DESCRIPTION

- Fast setting, cement-based, high performance, easy-to-use mortar with a reduced slip feature used for bonding porcelain and granite tile materials.

### INTENDED USES

- Horizontal and vertical applications of interior surfaces,
- Horizontal applications of exterior surfaces,
- Surfaces where fast application is required,
- 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**),
- 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.
- Open time is 10 minutes.
- Does not slip in vertical applications.
- Fast drying time.
- Tile adhesive and tile grout can be applied on the same day.

### 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.

### TECHNICAL DATA

Appearance	: Grey and white powder
Application temperature	: (+5°C) - (+30°C)
Temperature resistance	: (-30°C) - (+60°C)
Open time	: 10 minutes
Time required for grouting	: 4 hours
Pot life	: Max. 30 minutes
Time required for foot traffic	: After 4 hours light foot traffic 6 hours medium foot traffic 12-24 hours heavy foot traffic
Application thickness	: 3-10 mm
Early tensile adhesion strength	: $\geq 0.5$ N/mm <sup>2</sup>
Initial tensile adhesion strength	: $\geq 1.0$ N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	: $\geq 1.0$ N/mm <sup>2</sup>
Tensile adhesion strength after heat ageing	: $\geq 1.0$ N/mm <sup>2</sup>
Tensile adhesion strength after freeze/thaw cycles	: $\geq 1.0$ N/mm <sup>2</sup>
Open time: Tensile adhesion strength	: After 10 minutes $\geq 0.5$ N/mm <sup>2</sup>
Slip	: $\leq 0.5$ mm

- 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 **GRANIFAST** 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.
- 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 10 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 expired the open time, the mortar should be scraped off the surface.
- After 24 hours from the application of **GRANIFAST**, application is completed with **FUGAFLEX Silicone additive flex tile grout** according to the appropriate joint width.

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

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### 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, areas exposed to heavy load traffic, metal surfaces and wood floors.
- **GRANIFAST** is suitable for use within 10 minutes of application to the surface to be applied.
- Use in excess of 10 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 **GRANIFAST**, 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.

### QUALITY CERTIFICATES

- In Accordance with TS EN 12004 standards and C2FT class.
- C2: Cementitious adhesive developed with additional features
- F: Fast setting
- T: Reduced slip feature

### COMPLEMENTARY PRODUCT(s)

- **TH-500** 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 <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> -3600 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 of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.

### PACKAGING

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

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