

GAMAFIX

PROFESSIONAL GEL-ADHESIVE FOR INDOOR AND OUTDOOR



DESCRIPTION

Gel-Adhesive based on high resistance cement, selected aggregates, additives and synthetic resins that contribute to its excellent workability and high grip strength.

USES AND FIELDS OF APPLICATION

GAMAFIX is a slightly flexible one-component gel-adhesive powder with a long open time and non vertical slip. For laying interior and exterior flooring, exterior cladding up to 3 m high. It allows the placement of ceramic tiles diagonally and from top to bottom, ideal for plasterboard supports (plasterboard). Snow White. Especially suitable for bonding: Double-fired ceramic tiles - porous single-fired - fired clay and stoneware. Suitable for porcelain pieces indoors according to formats.

CAUTIONS AND RECOMMENDATIONS

- Respect mixing water
- On walls, the weight of the pieces should not be $\geq 40 \text{ kg} / \text{m}^2$
- Always carry out double bonding on exterior walls and for placing large-format tiles ($>30 \times 30 \text{ cm}$) and / or high weight.
- Do not apply directly on plaster supports. Previously apply AGMA-CH sealer.
- Do not apply on wooden supports, metallic surfaces or PVC.
- Do not apply under 5°C or above 30°C .
- Do not apply with risk of frost, rain, strong winds or direct sunlight.
- Never apply with the technique known as "spot bedding".
- Do not apply in areas where there is a danger of stagnant water.
- On underfloor heating systems, it must be switched off during the application and in the following seven days.
- Temperatures, ventilation, substrate absorvency and coating materials can vary the workability and setting times of the adhesive.
- In extreme weather conditions (high wind or high temperatures) drying occurs faster than normal.
- It is recommended to leave a free perimeter expansion joint between the flooring and the wall or pillar, hidden by the skirting board, of approximately 5 mm.
- For plaster-based supports, prepare the support with AGMA CH (Sealer), avoiding dead plaster and weak plasters.



PERFORMANCE

Performance approximate is $3.5 \text{ kg} / \text{m}^2$

PRESENTATION

It comes in plasticized paper bags 25kg.
Pallet of 50 units.
Total 1250kg



Instructions for use

Substrates

Plasterboard partitions (plasterboard, including waterproofing), cement plasters, concrete and cellular cement screeds, mortars and self-leveling pastes. Interior and exterior flooring and cladding.

Substrate preparation

- The substrates must be sound, dry, free of dust and flat.
- All supports must have adequate flatness. If not, make screeds of up to 5 mm with the same product 48 hours prior bonding.
- For greater thicknesses, the following should be used:
- On screeds: LEVELAND 5-50 leveling paste
- In coatings: regularization mortars with adequate tensile strength and with the curing shrinkage already completed.
- Very dry, porous and hot surfaces: wet the substrate and wait till for the thin layer of water disappear.
- The temperature of the wall and application must be between 5°C and 30°C
- In exterior pavements the substrate must present a slope equal to or greater than 1%

Preparation of the product

Mix the adhesive with clean water (See technical data table). Mix with an electric mixer at low revolutions (~ 500 rpm) until obtaining a homogeneous dough, let it rest for about 2 minutes and re-knead before applying.

Application

- GAMAFIX is applied with a suitable notched trowel depending on the format and characteristics of the back of the tile. (See table of trowels).
- For good adhesion, apply a first thin layer on the substrate with the smooth part of the trowel and then adjust the appropriate thickness with the serrated part in relation to the type and format of the tile.
- Use the double gluing technique in case of outdoor application or formats larger than 900 cm².
- Spread the adhesive to cover ± 2 m², with the application open time > 30 min.
- The shorter the time between spreading and laying the tile, the better results will be obtained.

Laying the tile

- Wet and wash the tiles with clean water, only if the back is very dusty.
- Approximate mixing time (pot-life) is 2 hours.
- Place and flatten the tiles to break the groove and facilitate bonding. Every so often check the stickiness of the paste. In case of superficial film formation, re-trowel the material and continue working.
- Never wet the adhesive when it forms a film as the water forms a non-stick veil.
- The coatings placed must not be exposed to rain or washing in 24 hours and must be protected from ice and intense sun for 5-7 days.

Grouting and sealing

- Respect the construction joints (expansion, contraction, fractionation, perimeter corner joints) and the installation joints between tiles (minimum of 2mm indoors and 5mm outdoors).
- The filling of the joints will be done after 6 hours on vertical walls and 24 hours on floors.

Cleaning

- Stains of calcareous remains on ceramic pieces can be removed with DETER-CAL. (See FT.)
- Clean the tools with plenty of water before the paste is completely dry.

Commissioning

- Surfaces and floors can be put into service in 7 days. Passable in 24 hours.
- Surfaces can be polished after 14 days dry.



LEVELAND 5-50 self-leveling



Wall preparation with MAGH



Adhesive mix



GAMAFIX application

Notched-Trowel Panel

Adhesive	Tiles Format (cm)	Notched-trowel	Bonding (Simple / Double)
Gama Fix	10 x 10	U4	Simple
	20 x 20	U6	Simple
	30 x 30	U8	Simple/Double
	> 30 x 30	U10	Double

Technical data

Appearance	White powder
Mixed Water	± 22% (± 5.5 lt 25 kg bag)
Mixing speed	500 rpm
Rest after mixing	2 min
Application temperature	Between +5 and +30°C
Open time	> 30 min
Time in container "pot-life"	2 h
Time	± 40 min
Toxicity / Flammability	No
Consumption	± 3.5 kg/ m ²
Packing	25 kg bags
Shelf-life	1 year in closed bag and dry place

FINAL PERFORMANCE*

Initial adhesion after 28 days	> 1 N/mm ²
Adhesion after heat ageing	> 0.5 N/mm ²
Adhesion after water immersion	> 0.5 N/mm ²
Adhesion after freeze-thaw cycles	> 1 N/mm ²
Wide open timedo: adherence	≥ 0.5 N/mm ²
Vertical-slip	< 0.5 mm
Service temperature	From -30°C to + 70°C
UNE EN 12004 classification	C1TE

* Values obtained at 23°C and 50% RH

SAFETY AND HYGIENE INFORMATION

It is not classified as dangerous according to current regulations on mixtures. For any information regarding safety issues in the use, handling, storage and disposal of chemical product residues, users should consult the most recent version of the Product Safety Data Sheet. Empty containers must be disposed of in accordance with current legal regulations.

STORAGE CONDITIONS

The life of the material is 12 months from the date of manufacture as long as it is kept in a dry place and protected from the elements.

NOTE: The instructions for use are made according to our tests and knowledge and are not binding. They do not release the consumer from the examination and verification of the products for their correct use. The liability of the company will be limited to the value of the used merchandise.

