GLOBALFIX

FLEXIBLE GEL-ADHESIVE FOR BONDING ALL TYPE OF MATERIALS



DESCRIPTION

Cementitious adhesive gel based on high resistance cement, selected aggregates, additives and synthetic resins that contribute to its excellent workability, high grip strength and resistance to ageing.

ECOLANIC®

USES AND FIELDS OF APPLICATION

GLOBALFIX is a flexible one-component gel-adhesive powder, extended open time and non vertical slip. Excellent workability, great whiteness and high adherence. Suitable for interior and exterior pavements and claddings.

- Suitable for new pavement on existing pavement overlays.
- Suitable for floors subjected to heavy traffic.
- Suitable for underfloor heating floors and swimming pools.
- Suitable for all sorts of ceramic tiles, stoneware, porcelain stoneware, natural and artificial stone, granite, marble and vitreous mosaic.
- Suitable for plaster or anhydrite supports.
- Avoid having to dampen the tiles or substrates thanks to its water retaining performance.
- Extended open time, allows the tiles rectification.

CAUTIONS AND RECOMMENDATIONS

- Respect mixing water
- On walls, the weight of the pieces should not be ≥40 kg / m²
- Always carry out a double bonding outdoors, on old ceramics and for placing large-format and / or high-weight pieces.
- On facades, with large-format pieces (> 60x40 cm) or weight greater than 40 kg / m2, safety clips (GR) or mechanical anchors must be used
- Do not apply on wooden supports, metallic surfaces or PVC.
- Do not apply under 5ºC or above 30ºC.
- 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.

PERFORMANCE

Performance approximate is 3.5kg/m² simple bonding and 6kg/m² double bonding.

PRESENTATION

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



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CAUTIONS AND RECOMMENDATIONS

- 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.
- The pool can be filled 7 days after applying the adhesive. The watertightness of the pool must be ensured before use the product on it (MR NOWA).
- In applications on plaster boards partitions, ensure the substrate is well fixed to avoid movements.
- Anhydrite screeds must be perfectly dry (maximum residual humidity 0.5%), sufficiently hard and free of dust or surface grout, in that case, it must be removed by sanding.
- On ceramic floors (overlays), remove the badly adhered pieces and fill in the gaps with mortar the day before applying the product. Make sure that the old ceramic is free of grease or wax residues, if necessary proceed with the milling of the glazed surface until the old ceramic loses its shine. In case of doubt, carry out a preliminary test to establish the suitability of the solution provided.

Instructions for use

Substrates

Cement slabs, screeds and plasters, forged concrete screeds, vibrated or bush hammered concrete, cellular concrete, brick walls or natural stone, radiant slabs and floors, existing floors in glazed ceramic, porcelain stoneware, terrazzo and natural stone, supports located in industrial premises or premises subject to heavy traffic (shopping centers), cork panels, expanded polyurethane and plasterboard (dust-free) provided they are firmly fixed. Gypsum or anhydrite substrates without the need for primer. Indoor / outdoor flooring and cladding, swimming pools and facades.

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 to bonding.
- For greater thicknesses you should use:
- On screeds: LEVELAND 5-50 leveling paste.
- In coatings: regularization mortars with adequate tensile strength and with the curing retractions already completed.
- Very dry, porous and hot surfaces: wet the substrate and wait till the thin layer of water disappears.
- The temperature of the wall and application must be between 5ºC and 30ºC
- On exterior pavements, the substrate must have a slope equal to or greater than 1%

Preparation of the product

Mix the adhesive with clean water (See technical tables). Mix with a low-speed electric mixer (~500 rpm) until a homogeneous dough is obtained, let it rest for about 2 minutes and knead before applying.



LEVELAND 5-50 self-leveling



Wall preparation with MAGH



Adhesive mix



GLOBALFIX application

Instructions for use

Adhesive application

- GLOBALFIX 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. From time to time 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, corner joints, perimeter joints) and placement between tiles (minimum of 2 mm indoors and 5mm outdoors). It is recommended to leave a free perimeter expansion joint between the floor and the wall or pillar, hidden by the skirting board, of approximately 5 mm. These joints must be filled with a deformable material.
- The filling of the joints will be done after 6 hours on vertical walls and 24 hours on pavements.

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

- Passable in 24 hours (light traffic).
- Surfaces and floors can be put into service in 7 days.
- Surfaces can be polished after 14 days.
- Tanks and pools can be filled after 7 days.

Notched-Trowel Panel

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

Technical data final performance

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 +30ºC
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 bag
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	> 1 N/mm^2
Adhesion after water immersion	> 1 N/mm^2
Adhesion after freeze-thaw cycles	> 1 N/mm^2
Vertical slip	< 0.5 mm
Service temperature	From -30ºC to + 70ºC
UNE EN 12004 classification	C2TE

* Values obtained at 23ºC and 50% RH

Descriptive memory

The ceramic tiles, natural stones, mosaics and / or glass paste will be laid by applying the GLOBALFIX ECOLANIC high-performance flexible cementitious adhesive (class C2TE according to the UNE-EN 12004 standard) with an 8x8mm notched trowel according to recommendations. of the UNE EN ceramic tile laying regulations 138002.

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.