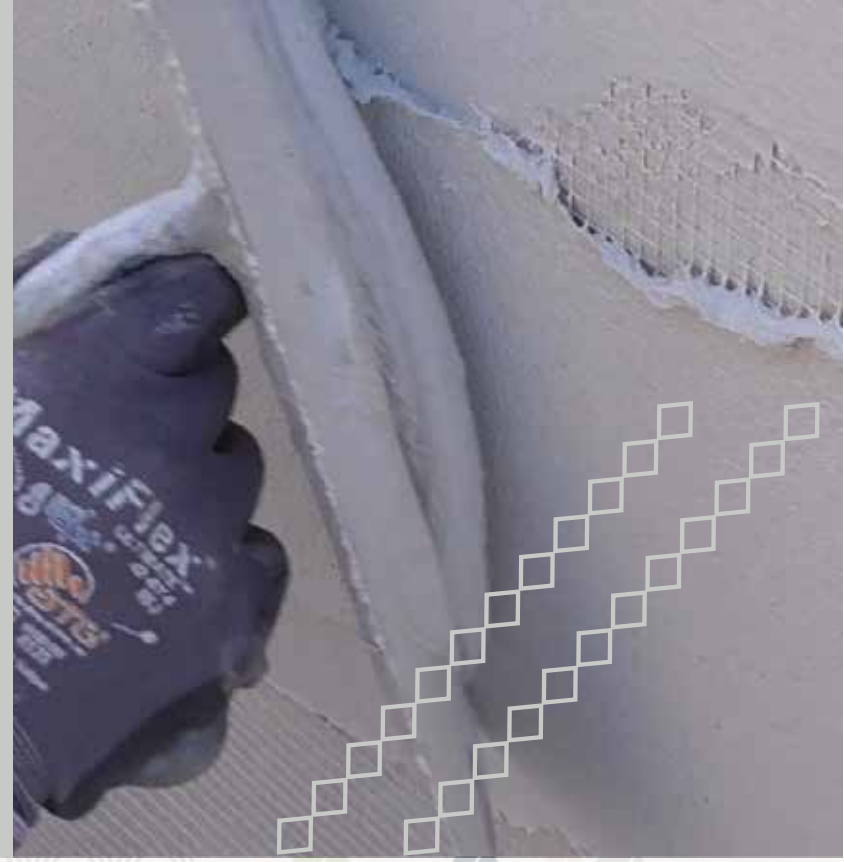
ECOLANIC®

MORTAR
COATING

Micro repairman



Description

One-component powder mortar based on a polymeric eco-cement ready for use with the simple addition of water.

Uses and fields of application

Due to its composition and thixotropy, it is an ideal mortar to regularize the supports and cover gaps or joint joints of materials of different nature, preventing them from transmitting tensions abroad. Equally, Strengthens weak surfaces and protects concrete and mortars on the substrate from moisture. It is especially recommended as a repair base and at the same time as the first support layer of the ECOLANIC micro-cement system.

Properties

- After mixing with water, it forms a highly thixotropic paste, the consistency of which allows it to be easily worked on both vertical and horizontal surfaces.
- Due to its polymer composition and nano effect gel additives, it provides great adherence to the support and high mechanical resistance to the surface through the mesh system embedded between layers.
- Due to its degree of elasticity, it resists contractions and dilations that avoid the transmission of fissures, giving great security to the subsequent decorative layers, such as, micro-cement, decorative coverings, adhesives, paints, etc.
- It is impervious to rainwater and permeable to water vapor.
- Breathable.

Cautions

- It must be applied at temperatures between 3º C growing and 30º C.
- Do not apply under hot or dry winds.
- Do not apply in rainy weather.

Presentation

25 kg bags.
Pallets of 50 bags = 1,250 kgs.

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APPLICATION RULES

Supports (interior and exterior)

- Concrete blocks (solid or hollow),
- Ceramic blocks (solid or hollow),
- Ceramic, marble, terrazzo, previously sanded or shot blasted.
- Traditional cement-sand mortars,
- Cellular cements (autoclave),
- Expanded clay mortars,
- Other supports (consult).

Preparation of the support

The substrates must be clean of dust, grease, old paints and any material that may affect the adhesion. Correct any chipping or blistering. In the event of structural damage, reach the affected area and clean it previously with R4-class repair mortar. Porous and absorbent substrates must be pretreated with a sealant (AGMA CH from Ecolanic).
Likewise, low porous or non porous supports must be sanded or shot blasted and subsequently treated with an epoxy printing base (Ecopoxy Primer).

Preparación de la mezcla

Approximately 6 liters of clean water (24%) are added to a bag, kneading it with a low-speed mechanical stirrer until a homogeneous and lump-free paste is obtained. Let stand 3 minutes and knead again for use.

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APPLICATION RULES

Product application

The application must be made with a 6 m / m notched trowel. deep and then flatten it with the smooth edge of the trowel to ensure that the thickness of the layer is as uniform as possible.
Then, while the mortar is fresh, the fiberglass mesh (PAVINET) is placed, from top to bottom (in case of vertical support), pressing it with the trowel so that it is completely embedded in the mass.
Once the mesh has been placed and the surface is uniform,
apply a last layer of Micro-repair and spread it over the entire surface until the mesh is completely covered. The entire application process must reach a minimum of 4 mm.
Once the material has hardened, lightly sand the surface eliminating possible imperfections or slight unevenness and improving adhesion between layers. Use sandpaper of 100-140 grams. Once sanded, vacuum, clean and thoroughly remove dust from the entire surface. Apply again a coat of sealant (Agma ch) to finish preparing the substrate.

Micro repair on walls

Soil micro repair

Performance

Depending on the planimetry of the support:
Micro-repairman + PAVINET mesh fixing: ± 5 kg / m2.

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TECHNICAL DATA characteristic values

Product identification data

Bulk density:	1050 kg/m²
Paste bulk density:	1600 kg/m²
Hardened bulk density:	1650 kg/m²
PH of themixture:	12 ± 1
Solid residue Appearance:	100%
Color:	fine powder
Presentation:	white
Tariff heading:	25 kg bags
	38.16.00.00

Application data

Mixing water:	24-26% clean water
Minimum thickness:	4 mm
Performance:	5 kg/m²
Application temperature:	Between 5ºC and 25ºC
Workability time:	60 min
Setting time:	8 hours (23ºC)
Passable:	12 hours (23ºC)
Coating time:	12 hours (23ºC)
Working range:	Indoor and outdoor

Final benefits

Compressive strength (EN 998-1:2010), 28 days:	CIV
Adhesion:	≥ 1N/mm²
Water vapor permeability:	μ≤25
Capillar absorption and water permeability:	Class W2
Thermal conductivity:	0,44 W/mK
Reaction to fire:	Euroclass A1

SAFETY AND HYGIENE INFORMATION

For any information regarding safety issues in the use, handling, storage and disposal of chemical residues, users should consult the most recent version of the Product Safety Sheet. Empty containers must be disposed of in accordance with current legal regulations.

STORAGE CONDITIONS

The life time of the material is 12 months from the date of manufacture provided it is kept in a dry place and protected from the weather.

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

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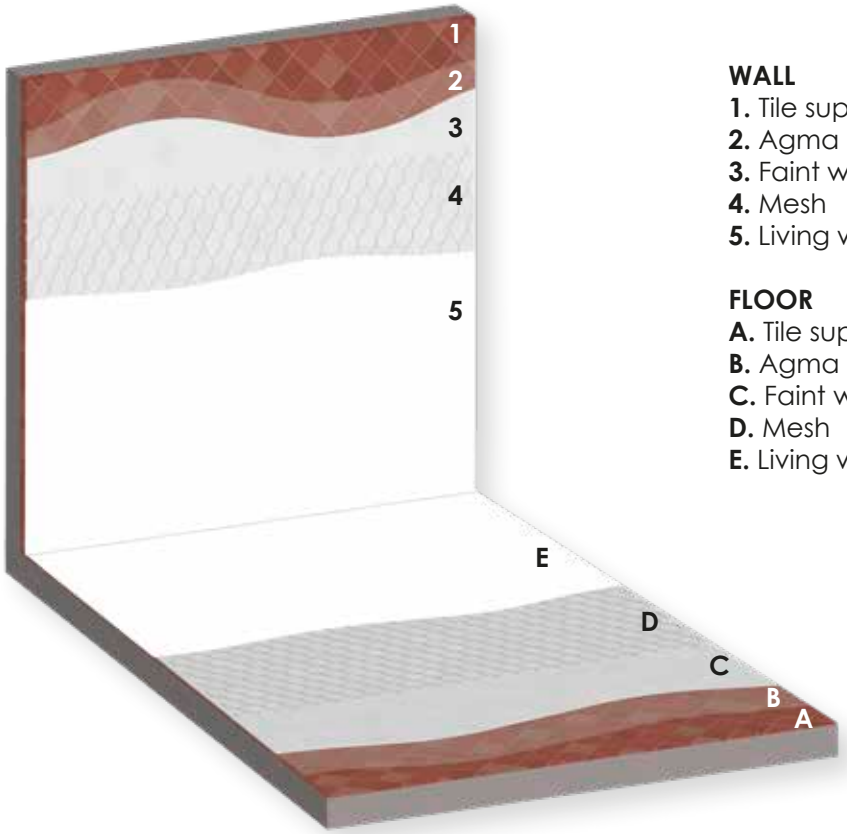
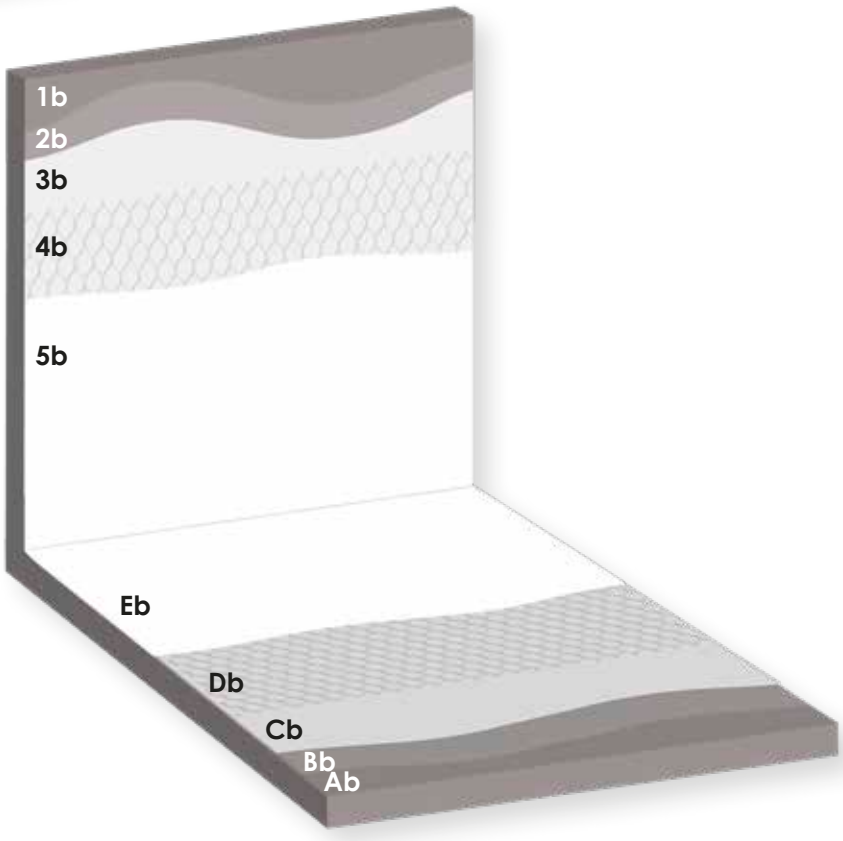


WALL
1. Tile support
2. Agma CH sealant
3. Faint white micro repair
4. Mesh
5. Living white micro repairman

FLOOR
A. Tile support
B. Agma CH sealant
C. Faint white micro repair
D. Mesh
E. Living white micro repairman



WALL
1b. Gray mortar support
2b. Agma CH sealant
3b. Faint white micro repair
4b. Mesh
5b. Living white micro repairman

FLOOR
Ab. Gray mortar support
Bb. Agma CH sealant
Cb. Faint white micro repair
Db. Mesh
Eb. Living white micro repairman

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Descriptive memory

Monocomponent mortar with high adhesion and elasticity to regularize the supports and cover gaps or joint joints of materials of different nature, preventing them from transmitting stresses to the micro-cement system (Microrepair type from Ecolanic). If necessary, sand and sandblast the substrate by applying an acrylic sealer (type Agma ch from Ecolanic) or epoxy (type Ecopoxi Primer from Ecolanic). The product must have the following technical characteristics Final performance (28 days):

Compressive strength (EN 998-1: 2010), 28 days: CIV
Adhesion: ≥ 1N / mm²
Water vapor permeability: μ≤25
Capillary absorption and water permeability: Class W2 Thermal
Conductivity: 0.44 W / mK
Reaction to fire: Euroclass A1

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