

5.4 Products for plastering & repairs

MEGAFIX Flexible, multipurpose mortar for repair and waterproofing of wall surfaces



TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 50% R.H.)

Form - Color	Cementitious mortar - Off white
Toxic	No
Bulk density of dry mortar	1.25±0.05 kg/lt
Bulk density of fresh mortar	1.75±0.05 kg/lt
Maximum grain size	0.8 mm
Water requirement	4.25lt in 25 kg of mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -35°C to +90°C
Pot life	2 hours
Maximum application thickness	Up to 5 mm/coat
Setting time	30 min
Chlorides content, per EN 1015-17:	<0.05%

MECHANICAL STRENGTHS

Strength after 28 days per EN 1015-11 and EN 1290 to:	
• flexion	2.00±0.50 N/mm²
• compression	10.0±1.00 N/mm²
Adhesive strength after 28 days, per EN 1015-12:	≥ 1.0±0.10 N/mm²
Capillary water absorption (c) per EN 1015-18:	≤ 0.1 kg/m² .min <sup>0.5</sup>

CONSUMPTION

1.5 kg/m²/mm thick coat.

STORAGE

Store in the factory sealed packages, in dry and shaded places for at least 12 months from production date.

SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

NOTES

- During the summer months, wet the surface after 12 hours of application to avoid premature dehydration.
- MEGAFIX should not be mixed with more water than what is specified.
- After hardening, the product is harmless to health and the environment.

PACKAGING

Paper bag of 5kg, in a 4 pc packaging  
Paper bag of 25kg on 1,200kg pallet

PROPERTIES

Flexible polymeric, one component, fiber reinforced silicate mortar. Available in white color. It presents excellent surface hardness and zero shrinkage. Suitable for repairs as well as for full restorations of wall top coat surfaces. It adheres perfectly to the substrate, thus securing water vapour permeability through its mass. It prevents the damaging effects of moisture penetration by creating a long lasting, water repellent coat in thickness of up to 5mm per coat. It maintains the water vapour permeability, while it prevents the absorption of water in the wall surface. In this way, structure elements maintain their thermal conductivity coefficient 'λ', thus helping to reduce the energy consumption for the heating of the indoor spaces of the walls to which it is applied on. Moreover, it seals cracks from 0.5mm to 30mm wide and up to 40mm deep, not allowing them to reappear. Choose it as top coat on new walls made with marble based plaster or exposed concrete and existing, already cracked surfaces, to ensure complete protection from weathering or carbonation of the substrates. It prevents carbon dioxide, sulfur or nitrogen gasses to penetrate into building components. As top coat plaster, classified GP: CSIII/W2, per EN 998-1. As repair material, classified R1, per EN 1504-3.

APPLICATIONS

MEGAFIX innovative composition makes it ideal for the restoration of the finish of wall surfaces, the prevention of moisture penetration from rain -or other sources- as well as to cover construction failures on building surfaces. Spot repair or restore around cracked joints between wall surfaces and frames made of aluminum, wood or PVC, etc. Distinguished for its strong adhesion, just by soaking the application area (no priming required), and the perfect aesthetic results it creates on every plaster or concrete surface.

USE

1. Surface preparation

- Remove peeled or bubbled up wall paints with a putty knife and prime using AQUAFIX.
- Widen cracks with a putty knife, remove the dust, soak them and fill them with MEGAFIX.
- Remove any unsound sections from unpainted surfaces made of plaster or concrete, and prime with AQUAFIX.
- When substrates are stable, simply soak the surface with water.

2. Application

Empty 25kg of mortar into 4.25-4.75lt of cool water (0.95lt to 5kg), and mix using a cement mixer or a clean container using a low rpm electric mixer with a suitable attachment, until a lump free homogeneous mass is created.





Allow for the mixture to mature for 5 minutes and mix periodically without adding any water. Apply MEGAFIX in 2 coats, up to 5mm per coat, using a wide, flat metal trowel or even a notched trowel starting from the bottom up, especially on larger surfaces.

When the first coat sets, apply the second one and finish the surface with a plastering float. Use a gauging trowel or taping knife for any small repairs. The mixture remains workable in the container for 2 hours.

Apply the second coat within 2-3 hours from the first one, without soaking.

Apply the product when temperatures range from +5 °C to +35 °C. During application and for the next 8 hour from its completion, there should be no chance of rain.

The addition of any type of improving additives or cement is prohibited!

### ADVANTAGES

- It seals cracks and prevents of their reappearance.
- It repairs and finishes prefabricated walls.
- It does not shrink.
- It is highly durable over an extended period of time.
- It creates unbreakable adhesion on sound surfaces without primers, just by soaking the substrate.
- It has exceptional workability and high thixotropy.
- It is paintable using acrylic paints of DURO-STICK.

- It improves the energy efficiency of buildings because it is water vapour permeable but not water permeable.
- It protects wall surfaces from rising damp caused by bouncing rain.
- It reduces bacteria and mold growth.
- It has excellent mechanical and chemical strengths and properties.
- It is the most affordable way to repair major cracks, ensuring that they will not resurface. At the same time it shields and creates a water repelling coat that provides long term protection against moisture penetration and damage related to it.

### CLEANING

Clean all tools with water, immediately after use.



**Make the right decision...  
So you will never see these images ever again!**

