

Torggler

MULTIMIX EVO

Quick-setting pre-mixed and fibre-reinforced mortar for restoration, renovation and levelling work both on façades and floors in thickness from 3 to 50 mm. Good adhesion and excellent workability. For manual and machine applications.



- Excellent adhesion to multiple substrates
- After two hours tiles can be applied and can be walked over
- Excellent workability
- Use both horizontally and vertically



APPLICATION AREAS

Quick-setting pre-mixed and fibre-reinforced mortar type GM GP IV W1 according to EN 998-1 and CT-C20-F5 according to EN 13813 for restoration, renovation and levelling both on façades and floors with thickness from 3 to 50 mm. Good adhesion and excellent workability. For manual and mechanical applications.

It is suitable for:

- Regularisation of non-planar substrates, both indoors and outdoors to make them suitable, in a short time, for the possible installation of coatings, finishes, ceramics and stone material or waterproofing with liquid membranes or elastic cement-based systems
- Regularisation of the reinforced concrete surfaces of swimming pools and tanks to make them suitable for waterproofing with Torggler waterproofing and the subsequent direct laying of ceramic and mosaic of all types
- Both indoor and outdoor skimming of all normal building substrates provided they are clean, such as concrete slabs, cement-based or special binder-based screeds, old ceramic floors, terrazzo tiles, stone material
- Restoration and creation of slopes in terraces
- Regularisation of indoor and outdoor façades and walls before application of the covering or finish
- Creation of connection grooves before waterproofing

MAXIMUM ATTAINABLE THICKNESSES

From 3 to 50 mm.

FEATURES

Multimix Evo is a pre-mixed fibre-reinforced mortar for walls and floors.

WARNINGS

- Do not apply Multimix Evo at temperatures below +5 °C or above +30 °C.
- Never mix with other binders such as cement, hydraulic lime, gypsum, etc.
- Do not use the mixture no more and do not add water when it is no longer workable. Take care to prepare from time to time a quantity of product that can be applied within its workability time.
- Due to the quick-setting of the product it is recommended not to make large façades exposed to heat in a single pass or use the Multimix product.

INSTRUCTIONS FOR USE

Preparation for use

The substrates must be clean and sound, free of oils and greases, dust, crumbly material and dirt in general. Any residues of release agent must be carefully removed. Remove any loose, crumbling, inconsistent parts until the sound, durable substrate is reached. Wash the entire surface to be treated with pressurized water to remove all traces of dust or other loose material. In the case of very absorbent substrates, wet beforehand.

Product preparation

Mix Multimix Evo with 20-23% of clean water (equal to 5,50-6,00 litres per 25 kg bag) in the following way: in a special container pour almost all the necessary water, then add the powder product slowly, stirring at the same time while the mixture is forming using a low-speed drill with a specific propeller. Once all the powder has been added, pour in the remaining water and stir until the mixture is homogeneous and free of lumps, taking particular care to remove lumps of unmixed material from the walls and bottom of the container. Allow to stand for approx. 5 minutes, then mix briefly. The prepared mixture remains workable in the mixing containers for about 30 minutes under normal conditions (at 20 °C); higher temperatures shorten the workability time, while lower temperatures lengthen it. In case of substrates with difficult adhesions, a preliminary layer of Multigrip should be applied.

Instructions for use

Apply Multimix Evo with an American trowel in case of skimming or with masonry trowel and/or a straight edge tool in case of higher thickness (never exceed 50 mm overall). The product can also be applied with a suitable plastering machine after setting it up correctly. In the case of recovery operations or in general in the presence of discontinuous, irregular and/or cracked surfaces, it is advisable to apply the product in two subsequent coats, fitting an alkali-resistant glass fibre reinforcement mesh between one coat and the other. After leaving the applied product to cure well (in normal conditions about 30 minutes; times may vary depending on environmental conditions and the type of substrate), finish with a spatula or sponge plastering trowel depending on the type of finish desired. If necessary, after 24 hours, the surface can be further optimised/levelled with a special plaster robot/levelling machine. Applications made with Multimix Evo must be protected from direct sunlight and for at least 24 hours in the event of rain; ensuring that the product applied is protected from frost for at least 7 days.

Cleaning

The tools used for laying can be cleaned with water before the material hardens; afterwards cleaning can only be carried out by mechanical removal.

TECHNICAL SPECIFICATIONS

Colour	grey
Consistency	powder
Bulk density	1,400 kg/l
Particle size	0-1 mm

Mixing water	20-23% (5,00-5,75 litri for 25 kg bag)
Mixture density	1,700 kg/l
Mixture consistency	thixotropic
Mixture workability time (at +20°C)	approx 30 min.
Setting times (EN 13892-2): Setting start	50 min.
Setting times (EN 13892-2): Setting end	90 min
Hardening (at 23°C and 50% U.R.)	can be walked over after about 2 hours
Application temperature	from +5 °C to +30 °C
Flexural strength (EN 13892-2): after 1 days	1,8 N/mm ²
Flexural strength (EN 13892-2): after 7 days	3,0 N/mm ²
Flexural strength (EN 13892-2): after 28 days	4,0 N/mm ²
Resistance to compression (EN 13892-2): after 1 day	5,0 N/mm ²
Resistance to compression (EN 13892-2): after 7 days	13,0 N/mm ²
Resistance to compression (EN 13892-2): after 28 days	15,0 N/mm ²
Consumption	ca. 1,4 kg/m ² per mm thickness

Packaging	bag
Pallet	50 bags
Color	Grey
Packaging size	25 kg

CONSUMPTION

The consumption of Multimix Evo is approx. 1.4 kg/m² each mm of thickness.

STORAGE

Multimix Evo must be stored in a dry and sheltered place. In the original closed bags it is kept for at least 12 months. **PROTECT FROM MOISTURE.**

CERTIFICATIONS

CLASSIFICATIONS AND STANDARDS ACCORDING TO EUROPEAN REGULATIONS FOR INTERNAL PLASTERING AND EXTERNAL RENDERING MORTARS EN 998-1	
GP	General purpose mortar for internal plastering and external rendering
LW	Light mortar for internal plastering and external rendering
CR	Coloured rendering mortar for external use
OC	Single-layer rendering mortar for external use
R	Restoration mortar
T	Thermal restoration mortar
CS I	Compressive strength values between 0,4 and 2,5 N/mm ²
CS II	Compressive strength values between 1,5 and 5,0 N/mm ²

CS III	Compressive strength values between 3,5 and 7,5 N/mm ²
CS IV	Compressive strength values ≥ 6 N/mm ²
Wc0	Capillary absorption value: not specified
Wc1	Capillary absorption value: $c \leq 0,40 \text{ kg/m}^2 \cdot \text{min}^{0,5}$
Wc2	Capillary absorption value: $c \leq 0,20 \text{ kg/m}^2 \cdot \text{min}^{0,5}$

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