

TOWERIP RAPIDO

Technical Sheet - Ed. 06/2021



COMPANY
WITH QUALITY
MANAGEMENT
SYSTEM
CERTIFIED



INDOOR



OUTDOOR



WATER
BASED



TROWEL

Anti-shrinkage thixotropic mortar R3

DESCRIPTION

Ready to use cement compound for vertical repairs composed of hydraulic binders and inert materials (max. particle size 0.8 mm), reinforced with polyamide fibres. It is easy to work. It is highly adhesive, durable, waterproof, has outstanding mechanical and chemical resistance features and does not shrink. The quick setting makes this mortar suitable in those cases where the restoration is to be finished quickly and where the work is localized: shelters, balconies, etc..For indoor and outdoor use. For professional use.

MAIN PROPERTIES

- Quick Setting

TECHNICAL DATA

Classification UNI 8681	One-pack, physical drying, solvent-free vinyl plaster for base coat. Matt finish.
Maximum granulometry EN 1062	0.8mm
Maximum application thickness	minimum 1 cm maximum 5 cm
Compressive strenght EN 12190	Class R3
Chloride Content EN 1015-17	≤ 0,05%
Bond strength EN 1542	≥ 1,5 MPa
Determination of shrinkage and expansion EN 12617-4	2 MPa
Resistance to carbonation EN 13295	Pass
Elastic modulus EN 13412	18GPa
Thermal compatibility - Part 1: Freeze-thaw cycling EN 13687-1	≥ 1,5 MPa
Capillary absorption EN 13057	≤ 0,5 Kg/(m ² ·h ^{0,5})
Reaction to fire	Class A1
VOC	Not covered by Directive 2004/42/CE

CHARACTERISTICS

Colour range	Dark grey
Coverage	19 kg/m ² per mm of thickness
Mixing Ratio	19% with water 4.75 Litres per 25Kg package
Diluted with	Water
Pot-life of mixture	Approx. 25 min
Drying time	Under normal conditions, it can be covered after 12-24 hours; however, drying time depends greatly on the absorption of the substrate and environmental conditions
Overpaintable	Compatibility with other products: compatible with all water-based products

TOWERIP RAPIDO

Technical Sheet - Ed. 06/2021



APPLICATION

Suitable Substrates:

Structural repair of surfaces, vertical walls and ceilings

Preparation of the Substrate:

All substrates should be carefully prepared by brushing and/or washing. Wet the contact surfaces until they are completely soaked: start a few hours before casting to ensure that the pores in the substrate are saturated.

Immediately before application, remove any excess water on the surface with compressed air or sponges.

Do not apply on gypsum-based substrates, painted surfaces or substrates with low mechanical strength.

Application Procedure:

In a cement mixer or bucket that already contains water, mix the correct amount of mortar to create the mixture; mix until it is smooth and free of lumps.

Add water as needed to adjust workability.

Using a mason's trowel, apply a layer that is not thinner than 1 cm and not thicker than 4-5 cm. TOWERIP RAPIDO can be finished with a trowel before it starts to set; as soon as the surface has set, keep it wet and prevent the water from evaporating.

This operation is particularly important when the weather is hot, dry and windy.

On thick vertical surfaces or ceilings, application must be performed in stages to prevent the weight of the material itself from causing "tears" while it is still plastic and thus causing cracks.

Type of Equipment:

spatula, mason's trowel, mechanical low speed mixer

Notes:

TOWERIP RAPIDO expands slightly to compensate for shrinkage of the mix. Do not apply on surfaces that are in direct sunlight, frozen or very hot. Do not apply when it is very windy or when there is fog or rain. The conditions must last at least 2 days after application.

Ambient Conditions:

min +5°C max +35°C

STORAGE

Packaging:

25kg bags

Duration and Preservation:

1 year on a pallet and when stored in a dry place in undamaged packages at between 5 and 30°C.

Dispose of in accordance with local regulations.

For information on possible hazards, refer to the safety data sheet

TECHNOLOGIES/CERTIFICATIONS

