Product Data Sheet

TOW-RIN

Levelling Coat for un-even walls

DESCRIPTION

Render/mortar for levelling existing walls up to 30 mm and mineral rough coats for localised repairs. This product is composed of hydraulic binders, selected inert materials, specific additives, and fibres. TOW-RIN contains additives that improve adhesion of lime- and cement-based plaster on old, uneven walls. Suitable for mechanical and manual application. For outdoor use.

MAIN PROPERTIES

- For levelling out un-even walls to create a strong a flat surface for subsequent applications of rendered finishes

TECHNICAL DATA

Classification (UNI 8681 / UNI 8682)	Brick, stone, lime-based plaster, cement-based plaster and cement lime mortar.
Granulometry (EN 13300 / EN 1062)	3mm
Reaction to fire (EN 13501-1)	Class A1
Capillary absorption and perm. Water (class W) (EN 1015-18)	Class W0 (Not Specified)
Adhesion (EN 1015-12)	0.6 N/mm² - FP:B
Open time (EN 1346)	20 min
Thermal conductivity (λ) (EN 1745)	0.47 W/mK
Water vapour transmission (μ) (EN 1015-19)	5 - 20
Bending resistance	3.0 N/mm2
Compression resistance	8 N/mm², CS IV (≥6 N/mm²)
Apparent bulk volume	1230 ± 50 g/l
Bulk volume in paste	1750 ± 50 g/l
	12
Type of binder	Cement-based (UNI 8681: TA)
Solid content	100%
Mixing Ratio	20-22% with water; 5-5.5 Litres per 25Kg package
Maximum application thickness	1.5cm per coat
	24-48 hours between coats. At least 10 days before covering. Drying time depends greatly on environmental conditions.

CHARACTERISTICS

Pot-life of mixture	About 3 hours
Coverage	15 kg/m2 per mm of thickness
Overpaintable	Compatibility with other products: compatible with all water-based products

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Colour range	Grey
	Water

APPLICATION

Suitable Substrates:
Apply on uneven walls made of mixed masonry, solid brick, natural stone, precast concrete or concrete cast on site. Do not apply on gypsum plaster or painted surfaces.
Preparation of the Substrate:
Before applying TOW-RIN, any efflorescence, loose parts and substances that could jeopardise adhesion must be removed from the substrates. Under extremely dry and windy conditions, we recommend dampening (not soaking) the substrates to make the water loss and workability of the TOW-RIN more uniform.
Ambient Conditions:
min +5°C max +35°C
Type of Equipment:
spatula, trowel, mechanical plastering machine
Application Procedure:
Mix using 90% of the water and the correct amount of mortar to create the mixture; mix until it is smooth and free of lumps (normally around 5 min). Add water as needed to adjust workability.
TOW-RIN is a mixture that has a perfectly balanced composition so, in order for its original properties to remain unaltered, adding foreign materials is not recommended.
A single coat of TOW-RIN up to 2-3 cm can be applied; for greater thicknesses, we recommend applying several coats of it to prevent the formation of tiny gaps during hardening. Of course, the presence of fibre greatly reduces this phenomenon.
After hardening, it can be treated with rough or smooth cement-based plasters.
Notes:
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.

STORAGE

Disposal and safety indications:
Dispose of in accordance with local regulations.
For information on possible hazards, refer to the safety data sheet
Packaging:
25kg bags
Storage:
1 year on a pallet and when stored in a dry place in undamaged packages at between 5 and 30°C.