

MONNELI RASOCELL

Flexible Cementitious Plaster for Thin Applications

Product Description

A single component, flexible fiber reinforced cementitious plaster composed of high resistant cement, graded fillers, synthetic resins, lime and special additives. When mixed with water, the product becomes easily workable with high adhesion power and excellent elasticity. It is recommended for applications with a thickness from 1 - 6mm per layer.

Uses

Due to its high characteristics, RASOCELL can be applied as a thin coat from 1mm to 6mm directly on AAC (Autoclaved Aerated Concrete) blocks without the need to prime the surface. RASOCELL can also be used as a smoothing and plastering coat for all cementitious and concrete surfaces. RASOCELL can be used for internal and external application.

Advantages

- Factory controlled pre-blend ensures consistent high quality
- Requires only addition of water on site at the time of usage
- Strong adhesion on variety of substrate
- Shrinkage controlled, reduces surface cracks
- Mineral based non-hazardous
- VOC compliant

Instructions for Use

Surface Preparation

The support must be clean, solid and free from dust, grease, friable parts, efflorescence, etc.

Aerated autoclaved concrete block walls must be planar and clean from adhesive residues after blocks laying.

Possible chases (as a result of plumbing and electrical works) must be filled with the same adhesive used for laying (NEOFIL BLOCK).

For joints which were previously filled with elastic material like polyurethane foam, a supporting glass fibres fabric must be fixed.

It is strongly recommended to saturate the support with water before applying the mortar.

Mixing

RASOCELL can be applied by traditional manual application or by plastering machines.

To prepare the mortar, pour 5.0 - 5.5 liters of water into a clean container and add slowly, while mixing, 25 kg of RASOCELL bag. Mix carefully for few minutes till obtaining a homogeneous mixture free from lumps.

Application

Apply RASOCELL in double coat with smooth spatula. To obtain a perfect finishing, the first coat of the mortar must be applied in thin layer, and while it is still fresh, the following coat must be applied to the required thickness.

Once dried at touch, the surface can be finished with smooth spatula or sponge to obtain the aesthetical effect desired.

If a plaster machine is used, the plaster would be applied in a continuous operation and finished manually to the specified thickness.

Protect the surface from too rapid water evaporation. Differences of temperature or strongly ventilated areas during application may cause increase or decrease of initial and final setting times.

In order to ensure proper curing, it is advisable to keep the plastered surface wet for minimum 48 hours.

Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened materials should be mechanically removed.

Recommendations

- Do not apply RASOCELL onto gypsum, metallic or wooden supports. RASOCELL is not coloured so the possibility of non-perfectly homogeneous coloured finishing exists
- RASOCELL is a cement based product. All precautions of proper curing of concrete and mortar should be applied.
- For large areas of walls it is recommended to fix light weight fibre glass mesh on the whole surface between the first and second coatings
- No further water should be added to the mix. Hard and set plaster should not be re-mixed or used
- The applied plaster has to be water cured for a period of 2 days
- Before applying any kind of stucco finish, paint, or wall paper the plaster has to be allowed to dry out completely

Technical Data

Properties	Results
Appearance	Powder
Color	White/grey
Density at 25°C	1.7 kg/L
VOC	2.3 g/L
Maximum granulometry	0.4 mm
Workability time at 25°C	40 minutes
Compressive strength	16 N / mm ²
Flexural strength	3 N / mm ²
Time to wait before painting	14 days
Noxiousity according to ECM 88/379	No

Tests performed at 25°C, 50% of relative humidity and in absence of ventiation.

All values are subject to 5-10 % tolerance

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RASOCELL
Technical Data Sheet
Edition: January 2020
Revision: 02

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Applicable Standard

- BS 1881

Consumption

1.7 Kg. / m² per 1 mm of thickness.

Packaging

RASOCELL is supplied in 25kg bags.

Storage

Store in dry covered place in the original closed bags. In these conditions, the product shelf life is 12 months from the date of production.

Health & Safety

RASOCELL is a cement-based product. Avoid contact with skin or eyes.

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary. In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting