

MONNELI RASANTE P20-F

Fibre Reinforced Cementitious Plaster

Product Description

A single component, fibre reinforced cement based ready mix plaster. It is specially formulated for exterior and interior plastering work to give a hard, smooth, and better shrinkage control base coat. Due to its high content of additives and the use of precisely graded fillers, hydrated lime (ASTM C207, Type S), a homogeneous, good adhesion and high workability is obtained when mixed with water.

RASANTE P20-F can be applied manually by hand or by using spray machines.

Uses

RASANTE P20-F is recommended for plastering on the following:

- Block walls
- Ceilings
- Bricks
- Concrete surfaces

Advantages

- Excellent Adhesion strength
- Fiber reinforced. Good crack resistance
- Suitable for AAC blocks
- Easy to mix, apply and finish
- Water resistant

Instructions for Use

Surface Preparation

The substrate should be free of loose particles, dust, dirt, grease, oil or paint. Absorbent and porous substrates should be moistened with water prior the application of RASANTE P-20F.

In case of non absorbent surfaces, a spatter dash slurry coat DASHBOND should be applied as a key coat to improve adhesion and high bonding with the substrate.

In case of surface contains microsilica, DASHBOND SPX spatter dash slurry should be applied to improve adhesion with the substrate.

Concrete or block substrates should have been allowed to cure sufficiently. All shrinkage movements should take place before applying RASANTE P-20F.

Saturate the surface with water and wait for the evaporation of excess water before applying the mix.

Mixing

RASANTE P20-F should be mixed with clean water to obtain a homogeneous mixture free from lumps. One 50 Kg bag of RASANTE P20-F should be mixed with about 8 – 9 Liters of clean water. The mixture remains workable for 1 hour after mixing (at +25°C). Let the mix set for 5 minutes, then remix before application.

Application

Apply RASANTE P20-F on the surface manually with a plastering trowel or by using a spraying machine in a single layer not exceeding 20mm thickness.

When the plaster has “set”, smooth finishing can be achieved with a wooden or foam float. The Float should be moistened during the smoothing operation.

If more thickness is required, the application should be done in two layers. In the first layer, apply RASANTE P20-F in a thickness of 10-15mm, a rough texture is to be obtained to provide mechanical key for the second layer. The second layer should be applied at least 48 hours after the first layer. Within this period cure the plaster with clean water. Apply the second layer at a thickness of up to 20mm.

If applying with spray machine, RASANTE P20-F mix should not be allowed to stand unused in the machine for longer than 30 minutes.

In order to ensure proper curing, it is advisable to keep the plastered surface moist and protected from sun and wind during the first 48 hours.

Cleaning

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

Recommendations

- No further water should be added to the mix. Hard and set plaster should not be re-mixed or used
- Do not apply RASANTE P20-F onto gypsum, metallic and wooden supports
- Do not apply RASANTE P20-F on surface exposed to movement, vibration or mechanical impacts
- During summer season, working area should be covered to prevent the direct sun effects. Keep equipment cool and use cold water
- The applied plaster has to be water cured for a period of 3 days
- Before applying any kind of stucco finish, paint, or wall paper the plaster has to be allowed to dry out completely
- Should not be applied on floors or on painted surfaces

Applicable Standards

- BS 5262,5492
- ASTM C 387

Consumption

Approximately 15-16 kg per m² for 10 mm thickness

Packaging

RASANTE P20-F is supplied in 50kg bags

Technical Data

Properties	Results
Appearance	Powder
Color	Grey
Dry density at 25°C	1.65 kg/L
VOC	<1.0 g/L
Grain size	0 – 2.5 mm
Adhesion to surface	>0.35 N / mm ²
Compressive strength at 28 days (ASTM C579)	8 N / mm ²
Flexural strength at 28 days (ASTM C580)	2.0 N / mm ²

All values are subject to 5-10 % tolerance

Storage

Keep the product in its original bag and store in dry, covered place. In these conditions it can be stored for 12 months.

Health & Safety

RASANTE P20-F is a cement based product. 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.

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

DUBAI
ABU DHABI
KSA
ITALY

P.O. Box 123808 Dubai UAE
P.O. Box 127326 Abu Dhabi, UAE
P.O. Box 335896 Code: 11383 - Riyadh KSA
Z.I. Ponte d'Assi 06024 Gubbio (PG)

T. +971 4 8803488 F. +971 4 8803450
T. +971 2 5511949 F. +971 2 5511749
T. +966 1 2654277 F. +966 1 2654335
T. +39 75 9221297 F. +39 75 9221174

colmef@colmef.ae

www.colmef-me.com

RASANTE P20-F
Technical Data Sheet
Edition: April 2022
Revision: 03