

MONNELI RASANTE P-20S

High Strength Cementitious Ready Dry Mix Plaster

Product Description

A high strength cement based ready mix plaster. It is specially formulated for exterior and interior plastering work that gives an extra hard, smooth, and better shrinkage control base coat. Due to its exceptional content of additives and the use of precisely graded fillers, a homogeneous, superior adhesion, and a high workability product is obtained when mixed with water.

RASANTE P-20S is manufactured to provide a very good quality of plaster and can be applied manually by hand or by using spray machines.

Uses

RASANTE P-20S has an extensive use in both residential and commercial complexes in civil engineering and other areas of construction and interior designing due to its optimum compressive strength that could be acquired within a considerably short period of time.

RASANTE P-20S is recommended for plastering on block walls, ceilings, columns, bricks and concrete surfaces; it should not be used on painted surfaces.

Advantages

- High compressive and flexural strength
- Very good impact strength
- Easy to mix, apply and finish
- Excellent adhesion to the substrate

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-20S.

In case of non absorbent surfaces, a spatter dash slurry coat DASHBOND or DASHBOND SPX (in case of AAC Block surface) should be applied as a key coat to improve adhesion and high bonding with the substrate.

In case of surface contains micro-silica, 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 taken place before applying RASANTE P-20S.

Do not apply RASANTE P-20S on surface exposed to movement, vibration or mechanical impacts.

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

Mixing

RASANTE P-20S should be mixed with clean cold water to obtain a homogeneous mixture free from lumps. One 50 Kg. bag of RASANTE P-20S 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 P-20S on the surface manually with a plastering trowel or by using a spraying machine in a single layer (up to 20mm). 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 P-20S 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 P-20S 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 P-20S onto gypsum, metallic and wooden supports
- During summer season, working area should be covered to prevent the direct sun effects. Keep equipment cool and use a 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.

Consumption

Approximately 15-16 Kg per m² for 10 mm thickness

Packaging

RASANTE P-20S is supplied in 50kg multi-layered bags

Technical Data

Properties	Results
Appearance	Grey powder
Dry density	1.70 kg/L
VOC	1.2g/L
Grain size	0 – 2.5 mm
Pull out strength	> 0.5 N/mm ²
Adhesion with DASHBOND SPX	>1.5 N / mm ²
Compressive strength at 28 days (ASTM C579)	20 N / mm ²
Flexural strength at 28 days (ASTM C 580)	> 2.0 N / mm ²

All values are subject to 5-10 % tolerance

Applicable Standards

- BS 5262, BS 5492
- ASTM C 387, ASTM C109

Storage

Store in dry covered place in the original closed bags. In these conditions, the product shelf life is 6 months from the date of production.

Health & Safety

RASANTE P-20S is a cement based product. Avoid contact with eyes or skin.

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.

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