

Rocky Plast DRM 50

Description

ROCKY PLAST DRM i50 s a 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, a homogeneous, good adhesion, and high workability is obtained when mixed with water.

Use

ROCKY PLAST DRM 50 is recommended for plastering on block walls, ceilings, bricks and concrete surfaces, it should not be used on painted surfaces.

Advantages

- Fast mixing application using spray machine
- 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

Compliance Standard

- BS 5262,5492
- ASTM C 387

Technical Properties

Appearance	grey powder
Dry density	1.65 kg/L
VOC	4.59g/L
Grain size	0 – 2.5 mm
Adhesion to surface	> 0.35 N / mm ²
Compressive strength at 28 days (ASTM C579)	10 N / mm ²
Flexural strength at 28 days (ANSI 118.7)	2.0 N / mm ²
Chloride Content (BS 812)	0.052%
Appearance	grey powder
Dry density	1.65 kg/L

Rocky Plast DRM 50

Mixing

ROCKY PLAST DRM 50 should be mixed with clean water to obtain a homogeneous mixture free from lumps. One 50 Kg. bag of ROCKY PLAST DRM 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 ROCKY PLAST DRM 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 ROCKY PLAST DRM 50 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, ROCKY PLAST DRM 50 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 ROCKY PLAST DRM 50 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 cold water
- The applied plaster must be water cured for a period of 3 days
- Before applying any kind of stucco finish, paint, or wallpaper the plaster must be allowed to dry out completely
- Should not be applied on floors or on painted surfaces

Rocky Plast DRM 50

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 ROCKY PLAST DRM 50.
- In case of nonabsorbent surfaces, a spatter dash slurry coat ROCKY COAT or ROCKY COAT S (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, ROCKY COAT S 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 be taken place before applying ROCKY PLAST DRM 50.
- Do not apply ROCKY PLAST DRM 50 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.

Coverage

- ROCKY PLAST DRM 50 is supplied in 50kg multilayer bags.
- Consumption: 1.6kg / m² per 1 mm of thickness.

Shelf Life & Storage

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

Health & Safety

ROCKY PLAST DRM 50 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.

Important Note

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