



4050

Perlite Ready-Mixed Plaster (White)



Product Code : 4050.02

Quality Certificates

The product conforms to the EN 998-1 standard.

Description: A cement-based, single component, ready-mixed fine plaster which contains fiber and perlite additives. It can be applied manually or with a machine. (Gypsum plaster equivalent, cement based)

Application Areas: Indoor and outdoor, wall and ceiling, gives a flat surface to surfaces such as coarse plaster, concrete and raw concrete, prior to paint and decorative covering applications.

Advantages:

- Provides a smooth surface.
- Saves time and labor.
- Since it has a strong bond to the surface, it provides an application that has lower fall off loss compared to ordinary plaster.
- Provides strong adherence with high stability and does not cause sagging.
- Easily and quickly applied either manually or by machine.
- As a plant manufactured mortar it has a higher quality consistency than ordinary plaster.
- More resistant to outdoor conditions compared than ordinary plaster.

Preparation of the Surface: Special attention must be given that the application surface is cured. The application surface must be clear of materials which prevent bonding, such as dust, oil, paint, curing agents, lime, detergents, mold release oils and silicone. Cracks and holes on the surface must be repaired with Fine or Coarse Repair Mortars, depending on their depth. The surface must be primed with Primer for Exposed Concrete Surfaces prior to raw concrete applications. The application surface should be moisturized.

Preparation of the Mortar: 35 kg of Falcon Ready-Mixed Plaster (Fine) is added to approximately 8.4 – 9.8 liters of clean water and mixed preferably by a mixer with low speed or with a trowel, until there are no lumps. Prepared mortar should be left to mature for 5 - 10 minutes, then be mixed again before use. The mortar must be used in 2 - 3 hours.

Application Information: The material should be sprinkled evenly over the surface either manually or with a spraying machine. The surface should be leveled with a float after the application. Fine plaster application should not exceed 6 mm in thickness. The plaster should be flattened immediately with a trowel before it begins hardening. Plastering mesh should be used in order to prevent cracks forming at window and door corners, or where different materials such as concrete and brick are joined. At the end of the application, if the air temperature is high, moisturize the surface until the cement sets. Wait at least 10 days before painting, depending on the weather conditions and application thickness.

Consumption: 2 – 2.5 kg/m²

Caution: Avoid application in temperatures below +5°C and above +35°C. Do not add lime, cement, sand and gypsum to the material to fix Falcon Ready-Mixed Plaster. Pay attention to the amount of water added to the mortar. Do not add more water than necessary. Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind. Pay attention that there will be no snow or extreme cold weather conditions about 1 week following the application. Never attempt to extend the expired mortar by adding powder and water. The values mentioned above are obtained at 23±2°C and 50±5 relative humidity conditions.

Packaging: 35 kg craft bags

Shelf Life: Unopened packages can be stored in dry environments for upto 12 months, stacked maximum 8 packages on a pallet.

Health and Safety: As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storing. If swallowed by accident, consult a doctor. In case of contact with skin, rinse with plenty of water. Keep out of reach of children.

Technical Properties

Appearance	: White colored fine powder
Powder Density	: ~1.30 kg/lt
Water Mixing Rate	: 8.4 – 9.8 lt water / 35 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2 - 3 hours
Application Temperature	: Between +5°C and +35°C
Compressive Strength	: CS IV; ≥ 6 N/mm ² (EN 1015-11)
Bonding Strength	: ≥ 1.0 N/mm ² (EN 1015-12)
Capillary Water Absorption	: W1; C ≤ 0.40 kg/(m ² .min ^{0.5}) (EN 1015-18)
Water Vapor Permeability Coefficient (μ)	: ≤ 25 (EN 1015-19)
Application Thickness	: 2 - 6 mm
Time to Use	: 24 hours
Service Temperature	: -20°C / +70°C

Application instructions and technical data provided for the products are obtained in line with our experience and the tests we implemented according to international standards under ambient temperatures of 23 ± 2 °C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease the times and lower temperatures increase them.

