

GP Plast 96

One Coat Gypsum Plaster

Pack Size
20Kgs

TDS Technical Data Sheet



Description

GP Plast 96 is a one-coat gypsum plaster designed for application on internal substrates such as brickwork, blocks, or concrete. It provides an inert, smooth, high-quality, and durable base, ready for decorative finishes on internal walls and ceilings. This lightweight, retarded hemihydrate plaster is pre-mixed with expanded perlite aggregates and requires only the addition of clean water to prepare it for use.

Features

GP Plast 96 eliminates the two-step process of sand cement plaster and POP punning, does not require water curing, and minimizes the risk of shrinkage cracks. It is non-combustible, offering excellent thermal protection for building structures when tested according to BS: 476: Part 4:1970. The use of lightweight aggregates in the mix enhances thermal resistance, with a thermal resistance value of $R = 0.07 \text{ m}^2\text{K/W}$ at a 13 mm thickness. The product is GRIHA and GreenPro certified.

Technical & Physical Parameters

Dry Bulk Density:	770 kg/m ³ (Max)
Wet Bulk Density:	1.35-1.5 g/cm ³
Water to Powder Ratio:	1:1.25
Setting Time:	20-25 minutes
Chemical Composition	Calcium Sulphate Hemihydrate: $\text{CaSO}_4, 1/2 \text{ H}_2\text{O}$
Drying Type	Setting

Identification & Packaging

GP Plast 96 is packaged in 25 kg PP bags. The outer layer of the bag is printed with product information, safety instructions, batch number, manufacturing date, unit of measure, correspondence address, and application instructions.

Available Sizes

- 25 kg

Shelf Life

Approximately 3 months from the date of manufacture when stored in dry conditions.

Product Data Sheet

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Coverage

- Applied Thickness: 13 mm
- Coverage: 27 sq ft per 25 kg bag

Standard Compliance

- IS 2547 (Part 1)-1976 for chemical characteristics
- IS 2547 (Part II)-1976 for physical characteristics

Application

Storage & Handling

GP Plast 96 is supplied in 25 kg bags. The bags are designed to present a well-filled appearance when stacked on a pallet in a stable array. Bags should be stored in dry conditions, as moisture absorption can shorten the setting time, cause lumps, and reduce the plaster's strength. Avoid using hooks or sharp tools to carry bags.

Background Preparation

Surfaces should be dry, clean, and protected from the weather. They should be suitable for the chosen specification. Before plastering concrete backgrounds, remove any mold oil or other agents. Plaster should not be applied onto a 'green' background or when any free water is visible. Apply clean water 5-10 minutes before plastering to control suction. Smooth or low-suction surfaces may require pre-treatment with a bonding agent like Gyproc Bondelt.

Mixing

GP Plast 96 is pre-mixed with aggregate and requires only clean water. Mixing should be done in a clean tray or bath, avoiding excessive mechanical mixing. Use clean tools and water to prevent contamination, which can shorten the setting time and reduce plaster strength. Maintain a water-to-plaster ratio of 1:1.25 by weight for a cohesive, workable mix. Prepare only as much plaster as needed for immediate work. Once the mix begins to set, do not add more water, as this can alter the plaster's properties.

Application

Apply GP Plast 96 with firm pressure, building up to the required thickness. Rule to an even surface and leave as an undercoat to form a key for the finish coat. A thin plaster mix can be applied as a finish coat to provide a smooth surface. The product can be applied to walls in one coat, with a thickness of 6-15 mm, and up to 10 mm on ceilings. For greater thicknesses, apply in two coats, ensuring that the total thickness does not exceed 30 mm on walls and 20 mm on ceilings. After drying (typically 72 hours, depending on thickness and weather), the surface is ready for painting.

Tiling

Tiles up to 20 kg/m² can be applied directly to GP Plast 96 unless a bonding agent is used. Avoid polishing the surface if plastering as a background for tiles. Polished surfaces should be roughened, and a suitable primer should be applied.

Precautions

Dissimilar expansion and contraction of RCC and brick/stone masonry may cause stresses and, occasionally, separation. To minimize separation cracks, use a 145 GSM glass fiber mesh at the junction. This product is not suitable for use in continuously damp or severely humid conditions.

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20Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.