

Cem Plaster GP

General Purpose Plaster, Grey Cement Data Sheet

General Purpose Plaster for Wall, Column & Beam Plastering Smoothing Layer.

New Formulation with Polymer Latex Powder & Excellent Workability

Cem Plaster GP 101 # for Grey Base Coat
Cem Plaster GP 202 # for Grey Finish Coat

Description

Cem Plaster GP 202, is a partially non-shrink & non sagging, premixed Polymer Latex Powder & plus Grey Cement for Brick Wall, RC Column & RC Beam plastering works, it's provides extended working life & high early strengths.

Due to its new formulation, **Cem Plaster GP** product is based on selected high grade of Original Portland Grey Cement Type & Rheological Additives. For better workability of smoother & stabilized air voids.

General

The internal & external wall to receive Cem Plaster GP 101or GP 202 must be constructed from high quality dense common clay brick (min. compressive strength 21 N/mm²), dense aggregate concrete block (min. compressive strength 7 N/mm²) or correctly prepared insitu concrete. Sandlime, flintlime, or calcium silicate bricks, lightweight aggregate blockwork, concrete brickwork, or hollow clay pots should be avoided wherever possible. If these or other forms of construction have been used, take advice from our specified worldwide applicator or the call us directly.

Method of Application

Surface Preparation

The prepared substrate should be thoroughly soaked with clean water until uniformly saturated but with no surface water. This condition is referred to as saturated surface dry and care should be taken to remove any cement slurry or dust produced during surface preparation. The use of a "fan" shaped water jet is ideal. Steel reinforcements should have all traces of rust removed and be primed.

Application

The minimum thickness of **Cem Plaster GP 101**, Base Layers is 3-12mm. Greater thickness may be applied dependent on site requirements.

The minimum thickness of **Cem Plaster GP 202**, Finishing Layers is 2-3mm. It is not usual to require a thickness greater than this if the Base Coats is applied as specified below.

Base Screed

Cem Plaster GP 101 Base Layers is applied to the correctly prepared surface from a hawk or bucket using a trowel. The minimum thickness of 2-12mm is normally attained in 2/3 trowel applications. This minimum thickness can be achieved either by working from fixed timber grounds, by forming grounds using Base Screed or by the plumb and dot system.

Finishing Coat

The **Cem Plaster GP 202** Finishing Layers must be applied onto set dry **Cem Plaster** Base Layers. The use of "plaster planes" to remove surface irregularities in the Base Screed is not normally recommended as this may produce a friable surface which results in adhesion failure of the **Cem Plaster GP 202** Finishing Coat.

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Coverage of Walls	Cem Plaster GP 202 (Finish)	Cem Plaster GP 101 (Base)
Cement Brick Wall	3mm thick @ 4.33/m ² /bag	12mm thick @ 1.76/m ² /bag
Smooth Hollow Block Wall	2mm thick @ 6.57/m ² /bag	6mm thick @ 3.50/m ² /bag
Concrete Column & Beam	2mm thick @ 6.57/m ² /bag	6mm thick @ 3.50/m ² /bag

Technical Data

			Cem Plaster GP 101	Cem Plaster GP 202
Ball Pressure Hardness (Brinell)	at 25°C	after 1 days: after 3 days after 7 days	12 N/mm² 23 N/mm² 36 N/mm²	
Density Fresh Mortar		approximately	1.90kg/litre	
Initial Set (Vicat)	DIN 52450 at 25°C	approximately	½ hour	
Final Set (Vicat)	DIN 52450 at 25°C	approximately	>3 hour	
Compressive Strength	DIN 52450 at 25°C	after 28 days:	11 N/mm²	
Tensile Strength	DIN 52450 at 25°C	after 28 days:	2.92 N/mm²	
Flexural Strength	DIN 52450 at 25°C	after 28 days:	7.8 N/mm²	

Cleaning of Equipment All tools and mixing containers should be washed and cleaned in water immediately after use before the material sets.

Packaging

Cem Plaster GP 101	40 kg bag
Cem Plaster GP 202	25 kg bag

Storage Shelf Life **Cem Plaster GP 202 or GP 101**, 12 months if stored in dry conditions.

Handling Precaution

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets and the brochure "Hygienic Precautions for Handling Plastic Products"

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Health & Safety Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LAMACO Malaysia** on request and sent with each delivery.



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