



Special Properties

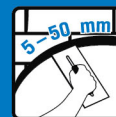
- Crack-Free Plaster
- Improved Heat Insulation
- Ready to use & Easy to apply
- Formulated for Interior Use only



Gyproc® ProCote

Gypsum-based undercoat plaster for interior leveling applications

Excellent Adhesion on Concrete and Masonry Walls



Thickness
5 - 50 mm



No Sponging
Process



Undercoat
Skim Coat
Required



Inspiring Gypsum Interiors

why

Gyproc® ProCote ?

Construction in this modern world places high value on consistent quality and better efficiency. Job duration, speed of construction and selection of materials, therefore, play a significant role in the building industry. For interior walls, the material can range from masonry works to light-weight blocks or concrete panels. One of the common problems experienced by all professionals is the trouble and cost of repairing cracks resulting from plaster shrinkage. Even prior to the leveling works, traditional cement plaster has been known to cause a number of issues including the mess of wetting the walls, using adhesive or applying mechanical keys to improve bonding strength of concrete panels, and some health issues of physical contact to alkaline.

Gyproc® ProCote is an easy to use undercoat plaster that has been specially formulated and refined over the years to provide superior insulation, excellent adhesion and crack-free properties for a wide range of interior plaster leveling requirements. In addition, **Gyproc® GypCote Skim Plaster** can be applied over **Gyproc® ProCote** for a superior level of surface uniformity and visual finish.



Gyproc® is the world's number one in gypsum plaster. The company is specialized in developing a full range of plaster products and has achieved strong recognition throughout Europe for over 50 years.



Gyproc® ProCote

Gypsum-based undercoat plaster for interior leveling applications

Gyproc® ProCote is a specially formulated plaster suitable for 5 – 50 mm thick applications. It is an ideal alternative to replace traditional masonry (sand & cement) plastering as it is ready to use and easy to apply without additional aggregates. **Gyproc® ProCote** is a modern interior leveling solution that provides a crack-free finish with excellent adhesion and heat insulation properties.

Properties

Gyproc® ProCote-120 Undercoat Plaster

Type of plaster	Off-White Interior leveling plaster
Weight / bag	20 kgs
Thickness	5 – 50 mm
Working Time	120 mins after mixing with water
Water Requirement / bag	12 – 13 litres
Coverage / bag	2.5 – 2.6 sq.m based on avg. thickness 10 mm
Drying Shrinkage	0.02 – 0.03% (ASTM C596-96)
Bonding Strength	0.95 – 1 MPa (EN 13279-1)
Compressive Strength	>2 MPa (EN 13279-1)
Water Retention	>96% (EN 13279-1)
pH	7 – 8 (Neutral)
Storage Method	Keep in dry place and do not expose to direct sunlight
Product Shelf Life	8 months after production date
Product Standard	EN 13279-1



Special Properties



Crack-Free Plaster

- ✓ Eliminates surface cracking due to its low drying shrinkage and high water retention properties.
- ✓ Avoids costly remedial work.



Excellent Adhesion to all kinds of backgrounds

- ✓ Good bonding strength to concrete surfaces and all kinds of bricks / blocks.
- ✓ No bonding agents or mechanical keys are required before plastering.



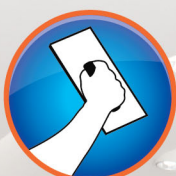
Heat Insulating

- ✓ Provides a more comfortable living space with its low thermal conductivity that reduces heat transmission from room exteriors.
- ✓ A 120 mm concrete wall with a 15 mm thick application of **Gyproc® ProCote** on each side can reduce heat transfer by as much as 15%.
- ✓ Air conditioned rooms cool more quickly.
- ✓ Cost saving due to less energy consumption.



Easy to Apply & Time Saving

- ✓ Just mix with water and it is ready to use
No need to add aggregates.
- ✓ No need to wet background before application.
- ✓ No sponging process.
- ✓ Sets and cures within 2 – 3 hours, then ready for skim coat application.
- ✓ Dry and ready to paint after 7 days.



Safe and User Friendly

- ✓ Easy and convenient to transport : 2.5 times lighter than cement plaster.
- ✓ Neutral pH 7 – 8 is safe on skin.



Interior Use Only

- ✓ Not for exterior use and application on wet surfaces.

Why does **Gyproc® ProCote** provide **2.5 times more coverage?**

Comparison table between Gyproc® ProCote and Traditional Cement Plaster

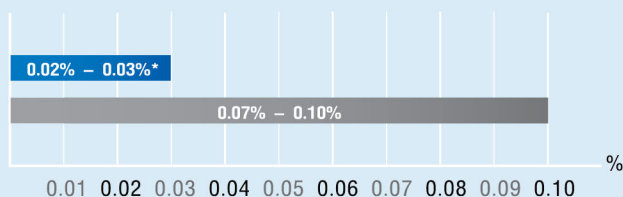
	Gyproc® ProCote	Traditional Cement Plaster
Weight	20 kgs	50 kgs
Density	0.5 – 0.6 kg / m ³	1.2 – 1.4 kg / m ³
Water Requirement Ratio	1.7 : 1	3.5 – 4 : 1
Water Requirement / Bag	12 – 13 litres	11 – 12 litres
Area Coverage at Thickness 10 mm	2.5 – 2.6 sq.m	2.2 – 2.7 sq.m



Gyproc® ProCote and Traditional Cement Plaster



Drying Shrinkage



*Conforms ASTM Standard C596-96

■ Gyproc® ProCote ■ Traditional Cement Plaster

Comparison of Wall Surface



Gyproc® ProCote

3 Times Lower Drying Shrinkage

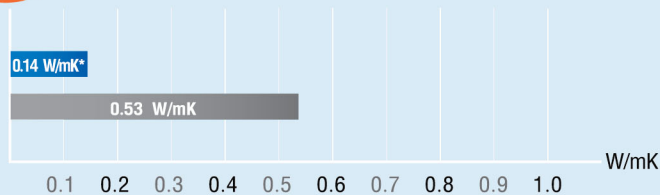


Cement Plaster

Likely to crack



Thermal Conductivity



*Conforms ASTM Standard C177

■ Gyproc® ProCote ■ Traditional Cement Plaster

Comparison of Thermal Conductivity



Gyproc® ProCote

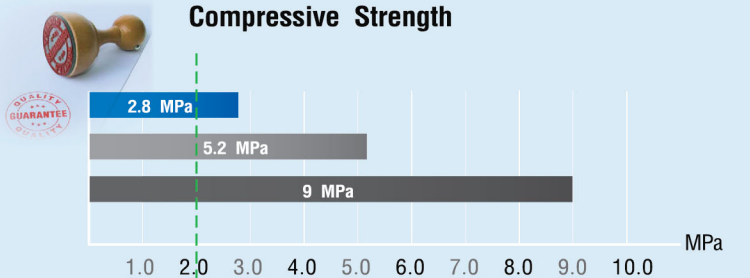
2.5 times lower Thermal Conductivity



Cement Plaster

Higher heat transmission and absorption

Compressive Strength



*Conforms EN 13279-1 Standard : Compressive Strength > 2 MPa

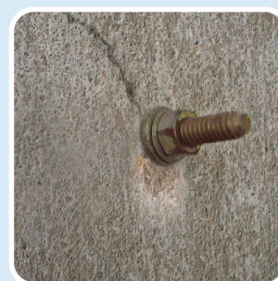
■ Gyproc® ProCote ■ Traditional Cement Plaster (no curing) ■ Traditional Cement Plaster (7 days curing)

Comparison of Nailing Appearance



Gyproc® ProCote

Flexible and meets EN Std. for Compressive Strength



Cement Plaster

Likely to crack after nailing due to very high strength



Common Issues of Tradition Cement Plaster

Cracks & Repair Works



Hollowing

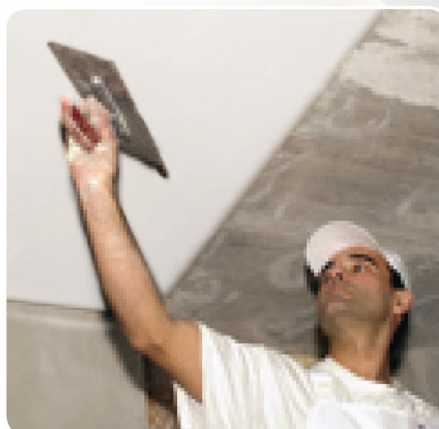


Wet & Dirty Site



Gyproc® ProCote can be manually mixed by mixing drill and also suitable for Spray-Applied Machine. The product has very high bonding strength and can be applied to different kinds of background directly such as bricks and blocks, concrete walls and concrete ceiling.

Gyproc® ProCote : Easy to Apply & Time Saving



Gyproc® ProCote Undercoat Plaster



Mixing Method



Mix one bag of **Gyproc® ProCote** (20kgs) with 12 – 13 litres of clean water.



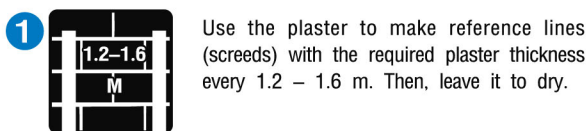
Pour **Gyproc® ProCote** into clean water in a bucket. Leave it to soak for 2 – 3 minutes.



Use a mixing drill at 700 RPM to mix the plaster. Use within 120 minutes after mixing.

Application Procedure

Application



Use the plaster to make reference lines (screeds) with the required plaster thickness every 1.2 – 1.6 m. Then, leave it to dry.

↓ 1/2 days



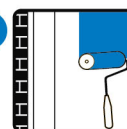
→ immediately



→ > 1/2 days



→ > 7 days



Trowel-apply the plaster in 2 layers. The 1st coat to quickly cover the whole surface and the 2nd coat applied immediately with firm pressure to build out to the required thickness.

When stiff, flatten the plaster to the reference level (screed) by straight edge. No sponging process and water curing is required.

After the plaster sets, within 3 – 4 hours, use a patching trowel to softly scratch the surface. Then apply **Gyproc® GypCote** skim plaster in 1 – 2 layers to smoothen the surface to its final finish.

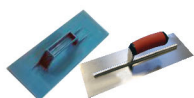
Leave the surface to dry for at least 7 days before painting or final decoration.

Surface Preparation



- Background surface must be dry, free from dust and grease.
- Remove imperfections such as dry cement built up from the surface.
- If there are structural cracks, these must be repaired before plastering.

Accessories



• Trowel



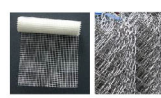
• Straight Edge



• Patching Trowel



• Hawk



• Fibermesh or Metal lath



• Mixing Drill



• Spraying Machine

GypCote Skim Coat Plaster

GypCote Skim Coat Plaster

Gyproc® offers a full range of light-weight and high coverage skimming plasters to apply on **Gyproc® ProCote** undercoat plaster and other backgrounds for interior surfaces.

GypCote MAX

Wall finish gypsum-based skimming plaster, 2 – 6 mm thick



GypCote TOTAL

No-Primer required skimming plaster (Special additive is added), 0.5 – 2 mm thick



GypCote 102 All Purpose Ready-Mixed Plaster

All Purpose Ready-Mixed Plaster for Skimming / Patching / Jointing plasterboards





UnderCoat Plaster Innovation

*Thermal Insulating and Crack-Free Walls
Excellent Adhesion on All Types of wall Surfaces*



Gyproc[®] ProCote

Gypsum-based undercoat plaster



Gyproc[®] ProCote Specification

For leveling of any internal masonry walls where a thickness of more than 5 mm is required, apply **Gyproc[®] ProCote** undercoat plaster (produced in accordance with EN 13279-1) on concrete panels and all types of brick and block walls. Then apply **Gyproc[®] GypCote** skimming plaster at a thickness of 1 – 2 mm to achieve smooth finish. Follow manufacturer's instructions for preparation and application.



Thai Gypsum Products Pcl.

Thai Gypsum Products Pcl. is the pioneer in the manufacture of quality gypsum board in Thailand. It is experienced in manufacturing and supplying gypsum board, gypsum plaster, galvanized steel frames and other products involved in gypsum work under the name of Gyproc for over 40 years. Thai Gypsum Product Pcl. is part of Saint-Gobain Gyproc; the No.1 in gypsum industry. The company has over 90 manufacturing bases with a distribution network in 50 countries all over the world.

Factories

High Quality Standard products are always the main aim of the company. The company has been putting all resources to research in order to have an ongoing development of production technology. The gypsum plant of the company is regarded to be the most modern in the Asia-Pacific region which is located at Laem Chabang Industrial Estate in Chonburi Province, with production capacity of 27 million standard boards per year. The plant manufactures a complete range of gypsum plasterboards, gypsum ceiling tiles, metal system components, and powder finishing products, focusing on offering complete interior building for its customer.



Saint-Gobain Company

Saint-Gobain, established in 1665, has developed and supplied superior products reflecting the requirements of customers and partners using its expertise and market information accumulated through 340 years of history. The Saint-Gobain Group has invested more than 366 million euro annually in research and development, providing all its partners with confidence in the superiority of its advanced technologies as well as continuous innovation.

As a global leader with the world's largest market share in 12 business fields, the Saint-Gobain Group has advanced into more than 64 countries around the world and achieved approximately 40 billion euro through 1,200 subsidiaries in 4 business sectors.

The 195,000 officers and staff members of Saint-Gobain are creating synergy effects through mutual cooperation based on its global network and providing superior innovation and optimum solutions through the continuous exchange of ideas.

GYPSUM	No.1 worldwide
INSULATION	No.1 worldwide
EXTERIOR PRODUCTS	No.1 in US for siding No.3 in US for roofing products
BUILDING DISTRIBUTION	No.1 worldwide in tiles distribution No.1 in Europe in building materials distribution and in carpentry
FLAT GLASS	No.1 in Europe No.3 worldwide
PIPE	No.1 worldwide in cast iron pipe
INDUSTRIAL MORTARS	No.1 worldwide in wall coatings and glues for tiling

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