
	<div> <div>PROJECTION PLASTER</div> <div> <div>One Coat Lightweight Gypsum Plaster</div> <div>EN 13279-1 </div> </div> </div>
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## Description

Classified as one coat lightweight machine applied Gypsum Plaster (B4/80/2) according to EN13279-1, for interior surfaces. It provides a smooth and leveled finish. It is suitable for application on substrates such as clay bricks, concrete blocks (normal weight or aerated), metal lath, stone and other similar surfaces.

## Technical Specifications

Density	: ~0.9 kg/L
Density of fresh mortar	: ~1.4 kg/L
Mixing ratio (water/PROJECTION PLASTER)	: ~15-16L / 25kg
Substrate Temperature	: +5°C min / +35 °C max.
Ambient temperature	: +5°C min / +35 °C max.
Reaction to fire	: Class A1
Compressive strength	: $\geq 2,0 \text{ N/mm}^2$
Flexural strength	: $\geq 1,0 \text{ N/mm}^2$
Adhesion strength	: $\geq 0,1 \text{ N/mm}^2$ – FP:B
Pot life	: at least 1 hour at 23°C
Setting time	: at least 80 minutes at 23°C
<u>Consumption:</u> 7.4 – 8 kg/m <sup>2</sup> of <b>PROJECTION PLASTER</b> , for a layer thickness of 10mm	

## Instructions for Use

### SURFACE PREPARATION

All surfaces should be clean, free of dust, oil, residues of other building materials, etc. before applying the product. It is recommended that substrate is sprayed with water, before applying **PROJECTION PLASTER**, especially in periods of hot weather. In such a case, surface film should be allowed to dry after spraying, so as not to inhibit the adhesion of **PROJECTION PLASTER**.

For highly absorbent surfaces (e.g. aerated concrete blocks), it is advisable that these are first primed with a solution of Pelebond:water in a ratio of 1:3 to 1:5 (by volume), depending on the absorbency. Pelebond is Peletico's product and for further information please refer to the analytical Technical Data Sheet.

Brick walls should be plastered not earlier than 3-4 weeks from construction, due to the shrinkage of joints during this period.

### MIXING

All equipment and containers should be clean, free of dust, residues of previous mixtures and/or other building materials, etc. so as not to adversely affect the setting time and the mechanical properties of the product.

Depending on the desired consistency, add approximately 15-16L of clean water for each bag (25kg) of **PROJECTION PLASTER**.

**PROJECTION PLASTER** is applied using a plastering machine that mixes and sprays the mixture at the same time. The operating instructions of the manufacturer must be followed. It is essential that all equipment and tools are thoroughly cleaned with water after the completion of work.

## APPLICATION

When applying the mixture by using a plastering machine, hold the nozzle of the machine approximately 20cm from the surface and spray with a constant, horizontal movement, starting from top to the bottom.

Fill the guides to overall thickness, by applying coatings of 10mm. Each coating is applied after the previous one has settled. Excess plaster is removed and the surface is formed with an aluminum or wooden bar. Any anomalies and irregularities should be filled using a trowel and made smooth. In case the imperfections are extended, re-plastering the surface should be considered.

When the plaster has sufficiently settled (this is according to plasterer's judgement), the surface shall be floated using a sponge, wooden or plastic float. Floating is made easier by lightly soaking the surface.

Do not spray the final surface with water, as gypsum based plasters tend to set in the presence of atmospheric air. Protection from extreme weather conditions though, such as high temperatures and strong winds, is advisable.

For coatings of a normal thickness of 10mm the plastering is done in one-coat-application. For special applications where a thicker coat is required or desired, it is advisable that the plastering is performed in multiple layers of 10mm each, until the guides have been filled up to the overall thickness (maximum thickness 40mm). This will reduce internal stresses and the tendency for cracking of the surface. In case where an additional layer is desired, then the surface should be allowed to settle before application.

## CLEANING OF EQUIPMENT

Clean all tools and mixing equipment thoroughly with plenty of water after completion of work, while the plaster hasn't set. Use mechanical methods to remove hardened material.

## DECORATION

Ideally, **PROJECTION PLASTER** should be allowed to cure for at least 2-3 weeks before decorating. For better results, it is advised to sand the final surface before decoration. Before being decorated, surface should be smoothed using sandpaper and primed with either Peletico's EcoPrimer or Sherwin-Williams® ProMar® Masonry Conditioner (see note 1).

Final surface can be decorated using emulsion paints, enamel paints, acrylic paints, etc. (all available from Peletico). For more information about the specifications of each of the above products, please refer to the analytical Technical Data Sheet.

## REMARKS / LIMITATIONS

- Use only fresh, clean water for both mixing and cleaning.
- Avoid using material which was stored in open bags for a long period of time, as it may contain lumps or be contaminated.
- Never add water or new product to the mixture which has started to set, in order to improve its workability.
- Do not add cement, gypsum, sand or any other materials to the supplied product, as this will negatively affect the end results of the product.
- Avoid using the product under extreme weather conditions, such as direct sunlight and strong winds.

## PACKAGING

25kg multiwall paper bags (one layer of which made of PE-HDPE).

## STORAGE / SHELF LIFE

Store under dry conditions and away from direct sunlight, in a sheltered, free from water and moisture area. Store in closed bags preferably in the original packaging, onto a pallet or generally without direct contact with the floor.

The product has a Shelf life of up to 6 months from production date, when properly stored in the original, unopened bag.



## Health and Safety Measures

- Follow good hygiene procedures during work. When using, do not eat, drink or smoke
- Keep out of reach of children.
- Harmfull if swallowed.
- Harmful in contact with skin.
- Harmful if inhaled.
- May cause respiratory irritation.
- Wash body and clothes thoroughly after handling.
- Wear respiratory protection.
- For further and complete information concerning the safe use of the product, please refer to the latest version of Safety Data Sheet.

**Note 1:** *Peletico's EcoPrimer: Water based acrylic primer for interior and exterior surfaces. (See Technical Specification Sheet)*

*PROMAR® MASONRY CONDITIONER: Solvent based primer for interior and exterior surfaces. (See Technical Specification Sheet).*

**Note 2:** *All Technical Data provided on section "Technical Specifications" are based on laboratory trials and tests, under conditions which may significantly differ from the ambient application conditions. Therefore, the actual technical characteristics may vary due to conditions or circumstances beyond company's control*

**Note 3:** *The information provided by our Technical Data Sheets or given by our employees, agents or distributors concerning the use of our products, is based upon extensive research and experience and are provided in good faith in order to help you.  
We guarantee the consistent high quality of our products; however, as we have no control over site conditions of the executions of work, we cannot accept any liability for any loss or damage, which may arise as a result thereof.*

**Note 4:** *All gypsum based products, must be stored in dry sheltered places, on wooden pallets. Even under these circumstances, the products are influenced by the atmospheric moisture after a period of time. Since this period is not defined or standard, we strongly advise our customers not to use hardened products or if, generally, its quality due to storage is uncertain.*

