



PELEMURA®

Fine wall levelling and smoothing compound based on white cement, for interior surfaces

EN 998-1



Description

PELEMURA® is a fine wall-levelling compound based on white cement and acrylic copolymers for interior and exterior surfaces. Ideal for leveling and smoothing of surfaces made of gypsum-boards, cement-based renders and plasters and concrete surfaces. With the addition of PELEBOND, special additive, it can also be applied on interior surfaces made of cement-boards and fair-faced concrete.

Technical Specifications

Dry density	: $\approx 1.05 \text{ Kg / L}$
Density of mixture	: $\approx 1.60 \text{ Kg / L}$
Maximum grain size	: 0.15 mm
Mixing ratio (water / PELEMURA®)	: $8.00 - 9.00 \text{ L / 20 Kg}$
Substrate temperature	: $+5^{\circ}\text{C min. / } +35^{\circ}\text{C max.}$
Application temperature	: $+5^{\circ}\text{C min. / } +35^{\circ}\text{C max.}$
Reaction to fire	: Class A1
Compressive strength	: CSII
Flexural strength	: $\geq 1.50 \text{ N / mm}^2$
Adhesion strength	: $0.50 \text{ N / mm}^2 - \text{FP:B}$
Water absorption	: $W_c 0$
Water Vapour permeability coefficient:	: $\mu 6$
Thermal conductivity (λ_{dry})	: $\leq 0.42 \text{ W / mK (table mean value, P=50\%)}$
Thickness per layer	: $0.15 \text{ mm min. / } 1.00 \text{ mm max.}$
Pot life	: At least 4 hours at 23°C
<u>Consumption</u>	
Indicatively, $1.10 - 1.14 \text{ Kg/m}^2$ per mm of thickness.	

Instructions for Use

SUBSTRATE PREPARATION

Before applying **PELEMURA®**, all surfaces should be cured, dry, clean and free of dust, oil, residues of other building materials, etc. Cracks or holes on the substrate must be filled beforehand using PELEFILLA or SPATULIN and allowed to set. Before applying **PELEMURA®**, the substrates of plasters, renders or concrete must be lightly sprayed with water and the surface must be allowed to dry, so as not to inhibit adhesion of the mixture.

In gypsum-board or cement-board construction, the joints should be filled in advance, with suitable filler and fiberglass tape, as well as the holes from the fixing screws. **PELEMURA®** can be applied once the filler has cured.

MIXING

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

Depending on the desired consistency, mix 20 Kg (1 bag) of **PELEMURA®** with $8.00 - 9.00 \text{ L}$ of clean potable water.

In case that **PELEMURA®** is to be used on surfaces of cement-board or fair-faced concrete, then it must be improved with the PELEBOND admixture at a ratio 1.30 – 1.50 L of PELEBOND and 6.70 – 7.50 of clean, potable water for every 20 Kg (1 bag) of **PELEMURA®**.

Mix using a low-speed electric stirrer for at least 3 minutes, until a homogeneous, free of lumps mixture is achieved and the right consistency is obtained. Let the mixture rest for at least 10 minutes and stir it again before use.

The mixture remains workable for about 4 hours, depending on the weather conditions. In this case, stir the mixture regularly, without adding additional water.

APPLICATION CONDITIONS

Use **PELEMURA®** only at temperatures between +5°C and +35°C. During periods of low temperatures (5 – 10°C), it is advisable that warm water (approx. 30°C), is used for the mixing and if possible, the application to be performed during noontime. On the contrary, use cool water (approx. 20°C), for the mixing during high temperatures (up to 35°C) and if possible, the application to be performed in the coolest hours of the day (early in the morning or late in the afternoon hours) avoiding the direct sunlight.

APPLICATION

Apply **PELEMURA®** in two or more layers of 0.15 – 1 mm thickness each (≤ 1 mm), using a rectangular steel trowel or a spatula. The first layer will fill and eliminate the pores and any rough surface of the substrate, while the subsequent layers will give the required thickness and smooth-out the surface to be decorated. The waiting time between coats should be at least 12 hours during the summer months and at least 24 hours during the winter months.

The total thickness of **PELEMURA®** must not exceed 1.5 mm.

DECORATION

The final surface of **PELEMURA®** can be decorated after at least 24 hours, and after it is sanded, dust is removed using a damp cloth and allowed to dry.

Before decorating, a coat of acrylic wall primer ECOPRIMER or PREPRITE 200 should be applied, to create a uniform absorbency of the substrate.

The decoration of the surface can be done with PELELAC® or SHERWIN-WILLIAMS® emulsion paints, enamel paints, acrylic paints, etc.

CLEANING OF EQUIPMENT

Clean all tools and mixing equipment thoroughly with plenty of water after completion of work, while the mixture is still fresh. In case that the mixture has been set, then tools can be cleaned only by mechanical means

REMARKS / LIMITATIONS

- Do not apply **PELEMURA®** on exterior surfaces. For exterior surfaces, use FINE EXTERIOR PELEMURA.
- Do not apply **PELEMURA®** in greater than 1 mm per layer thickness.
- Do not apply **PELEMURA®** on already painted surfaces or on substrates of gypsum-based plasters.
- Use only fresh, clean, potable water for both mixing and cleaning.
- Avoid using material which was stored in open bags for a long period of time.
- Never add water or new material to the mixture which has started to set to improve the workability.
- Do not add cement, gypsum, sand, or any other materials to the supplied product, as this may negatively affect the final properties of the product.

Avoid using the product under extreme weather conditions (strong winds, direct sunlight etc.).

PACKAGING

20 Kg multiwall paper bags (one layer of which is made of PE-HDPE) and 5 Kg PE bags.

STORAGE

PELEMURA®, in 20 Kg packaging, can be stored for 3 months and in 5 Kg packaging for 12 months from production date, in its original, unopened packaging in dry conditions. The storage place must be covered and protect the product from direct sunlight, water, and moisture, while the product must not be in direct contact with the floor.

Health and Safety Measures

- The product contains cement, which reacts as alkaline with water, moisture, sweat and/or other body fluids so it is classified as irritant. Follow normal precautions as with all cementitious materials and products.
- Harmful in contact with skin.
- Harmful if inhaled or if swallowed.
- May cause respiratory irritation.
- Keep out of reach of children.
- Wash body and clothes thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear respiratory protection.
- Please refer to Safety data Sheet for more information and advice regarding the safe handling, storage, use and disposal of the material.

Note 1: All Technical Data provided on section "Technical Characteristics" 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 2: 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 3: All cement-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.