

# Sempre Maresil Render

**Polysilicate Render**  
**grain size 1,5 mm - 3 mm.**



Component of SempreTherm External Wall Insulation Systems.  
Design in nano-technology as innovative silica modified  
render for indoor and outdoor applications.

**Technical Data Sheet**  
**No. 6.SMR**  
**15.11.2009**

## Characteristics

- Easy application with a trowel and spray gun
- Keeps the mineral character of the facade
- Breathable
- Due to the reduced pH = 8, the low sensitivity to drying conditions
- Extremely high mechanical impact resistance
- High water vapor transmission
- Due to use of nano-technology, increased dust and dirt resistance,
- algae and fungi resistant

## Scope of use

Sempre Maresil Render is used for making decorative renders on concrete substrates, traditional plasters plasterboards, etc. We recommend the application of Sempre Maresil as façade render within SempreTherm ETICS (External Thermal Insulation Composite Systems) with the application on EPS or XPS - boards.

In case of intensive dark colours, the material application should be limited to small areas, e.g. architectural details.

## Substrate preparation

Sempre Maresil render can be applied on smooth, carrying, dry and clean substrates free from grease, bitumen, dust and other substances decreasing adhesion, reinforced layers made of Sempre Universal TU-200 basecoat (age above 2 days) primed with Maresil Primer, gypsum substrates (only inside the buildings) with moisture below 1%, firstly primed with the agent Sempre Grunt W and then with Maresil Primer, and plasterboards (only inside the buildings), strong paint coats (only inside the buildings), with good adhesion to the substrate primed with Maresil Primer.

Uneven and damaged substrates should be first smoothed and repaired. In case of traditional plasters Sempre Universal TU-200 basecoat can be used as filler. The existing dirt, layers of low strength, as well as elastic, lime and adhesive paint coatings should be removed. Absorbent substrates should be primed with the Sempre Grunt W, and then primed with Maresil Primer after minimum 4 hours. It is recommended to use the colour of the Primer similar to the colour of the render. Sempre Maresil Render can be applied when the Primer becomes completely dry.



## Application

The whole content of the bucket should be carefully stirred. If the need appears, it is possible to adjust the product consistency to the application conditions by adding a small amount of clean water and mixing again. Neither rusty containers nor tools can be used.

Maresil Render should be evenly applied on the substrate at the thickness of the grain by means of a steel long float held at the angle. Then, it should be given homogenous structure with round movements of a plastic long float flatly held to achieve the appearance densely laid out aggregate grains texture.

**Do not sprinkle plaster with water!**

Work should be done on one wall without breaks, keeping the same product consistency. If there is a need to stop working, the self-adhesive tape should be applied along the previously fixed line. Then plaster should be applied, texture formed, and tape taken off with the plaster remaining on it. After a break, the application should be continued from the fixed place (the edge of the previously applied render can be protected with self-adhesive tape). Maresil render can be applied on the walls using compressor and spray gun.

More information on this method available on request.

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## Please note

Application should be performed in the ambient and substrate temperature ranging from +5°C to +25°C and the humidity below 80%. All the data refer to the temperature of +20°C and relative humidity of 60%. Faster or slower drying of this plaster may occur in different conditions. This product should not be mixed with other plasters, pigments, resins and binders. The rooms where the material has been applied should be aired until the odour disappears and before they are used. In case of contact with eyes, they should be rinsed with water and the general practitioner should be consulted. This product should be stored out of reach of children.

## Other information

The render should not be applied on direct sun and should be protected from drying too fast. Until it dries completely, it should be protected from rain. It is recommended to use scaffolding protection. Due to the render mineral fillers that can cause differences in the colour of render, one surface should be plastered with the material of the same production badge number printed on each bucket. The opened bucket should be carefully closed and its content used as soon as possible.

This technical data sheet determines the scope of application of the material and the way of conducting the work, however, it cannot replace the professional preparation of the contractor. Apart from the data provided, the application should be done in compliance with the building and safety regulations. The manufacturer guarantees the quality of the product, however, he does not have any influence on the condition and the way of application. In case of any doubts, individual application trials should be conducted. The previously issued technical data sheets become invalid with the issue of this technical data sheet.

## Storage

Up to 24 months from the production date when stored in cold conditions and in original undamaged packages.

**Protect against frost!**

## Packaging

25 kg buckets,

## Technical data

Base:	modified silica pH=8 and pigment fillers
Bulk density:	from 1,66 up to 2,15 g/cm <sup>3</sup>
Pigments:	Titanium white and UV-resistant.
Temperature of application:	from +5 °C to +25 °C
Drying time:	surface drying 12 h, hardening 48 h
Application:	stainless steel trowel or compressor and spray gun
Estimated consumption:	approx. 2 kg / m <sup>2</sup> 1,5 mm grain approx. 3 kg / m <sup>2</sup> 2 mm grain approx. 4 kg / m <sup>2</sup> 3 mm grain

This product possesses:

- within the SempreTherm System: ETA – 08/0316
- NSAI Agreement Certificate No.- 11/0358

**Should you need support or advice, please consult our advisory service for architects and contractors on the hotline number:**

**Phone: +353 1 40 30 811**

**e-mail: [info@sempretherm.ie](mailto:info@sempretherm.ie)**

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.