

# FINE RENDER



One layer hydrophobic & elastic plaster

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- ▷ **Ideal for ETICS**
  - ▷ **Cement base**
  - ▷ **Application up to 5 mm thick in one layer**
  - ▷ **Mixing with water**
  - ▷ **Easy and fast application**
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## Description

FINE RENDER is a ready-to-use single-layer, cement-based masonry coating with selected aggregates and special additives. It is easily applied to horizontal and vertical surfaces with a spatula or trowel.

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## Certifications

Meets the requirements claimed by EN 998-1 with a Declaration of Performance (DoP) C06861-CPR-1650203 as a general-purpose rendering mortar (GP).

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## Uses

FINE RENDER has:

- Excellent adhesion
- Excellent workability
- Stable quality
- Ability to breathe
- Fine granulometry

FINE RENDER is suitable for:

- Smooth masonry thicknesses up to 5 mm in one layer
- Plastering of brick or concrete walls and ceilings
- Quick application to masonry
- Suitable for smooth surface configuration
- Internal and external application

## Technical Data

### Product Identity

|                    |  |
|--------------------|--|
| Form               | Powder   |
| Color              | White  |
| Chemical substance | Portland cement, aggregates, special additives         |
| Granulometry       | $D_{max} : 0,6 \text{ mm}$                             |
| Bulk density       | $1,4 \pm 0,1 \text{ kg/L}$                             |
| Storage            | 12 months on dry area in the original sealed packaging |

### Application data (+23°C & 50% R.H.)

|                             |   |
|-----------------------------|---|
| Mixing ratio                | 4,75 - 5,25 L of water for 25kg                     |
| Specific gravity of the mix | $1,6 \pm 0,1 \text{ kg/L}$                          |
| Application temperature     | from +5°C up to +35°C                               |
| Pot life                    | $\approx 2 - 3 \text{ hours } / 20^{\circ}\text{C}$ |

### Final performance according to EN 998-1:2010

|  | Performance                            | Method     |
|--|--|------------|
| Compressive strength   | CS IV                                  | EN 1015-11 |
| Adhesion   | $\geq 0,6 \text{ N/mm}^2 \text{ FP:B}$ | EN 1015-12 |
| Capillary water absorption   | W1                                     | EN 1015-18 |
| Water vapour permeability coefficient ( $\mu$ )                      | $\mu \leq 20$                          | EN 1015-19 |
| Thermal conductivity coefficient ( $\lambda_{10, \text{dry, mat}}$ ) | 0,45 W/mk                              | EN 1745    |
| Resistance to fire   | A1                                     | EN 13501   |

## Application Procedure

### Substrate Preparation

Remove deteriorated and loose concrete parts until the substrate is solid, strong and rough. Surfaces must be clean, free of dust, dirt, oil, grease, rust and other elements that might compromise adhesion. Soak the substrate with water before applying FINE RENDER

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### Preparation of the mix

Mix the content of the 25kg paper bag containing FINE RENDER with 4,75 - 5,25 liters of clean and fresh water by means of appropriate electrical stirrer at low speed (500 rpm) for 3 min, until a uniform mortar free of lumps is obtained. During hot periods and in general, it is recommended to avoid direct sunlight exposure of the materials (in powder or liquid form) before use, otherwise the working time is reduced. For small quantities mixing can be performed also by hand.

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### Application

The mixture is applied by means of a flat spatula or trowel, in horizontal and vertical surfaces applying enough pressure and compacting the material well to the surface. The maximum application thickness is 5 mm per layer. When higher thickness is required, apply subsequent coats when the preceding layer starts to harden.

The mortar should be applied under normal conditions within 2 -3 hours of mixing. After this period do not try to mix it with water again. Low temperatures extend the life of the mortar while high temperatures reduce workability. After applying FINE RENDER, it should be allowed to mature in a relatively humid environment. Protect raw mortar from rapid drying by appropriate means.

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### Recommendations

- Avoid applications during direct sunlight exposure and/or strong wind and rain
  - Apply only upon solid and well prepared rough substrate
  - Do not add water or additives once the mix starts to set
  - Do not apply upon existing expansion or movement joints of the substrate
  - Do not add cement, gypsum, lime or other materials that might affect the properties of the mortar
  - Do not apply upon substrates subjected to rising humidity
  - Do not exceed 5 mm in thickness per layer and 10 mm in case of applications on ceilings
  - Do not apply when temperature of the substrate and environment is lower than +5°C and higher than +35°C
  - Do not apply upon anhydrite based substrates, metal surfaces or resilient substrates
  - Application must be done by professional applicator
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### Consumption

Consumption of FINE RENDER is 14-15 kg/m<sup>2</sup>/cm thickness.

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### Cleaning

Tools, buckets, tiles etc. can be cleaned with fresh and clean water as long as FINE RENDER mix is still fresh. After hardening occurs, cleaning can take place by mechanical means.

### Storage

FINE RENDER remains stable for 12 months from production date inside its original sealed packaging, stored in protected dry area in temperature between +5°C and +35°C.

### Packaging

Multi-layer paper bags of 25 kg in pallet of 1250 kg

### Safety Instructions

For further information refer to the Safety Data Sheet of the product

### Warning

The technical data and recommendations contained in this leaflet correspond to the best of our knowledge and experience. All the above-mentioned information in any case should be considered as merely indicate and subject to confirmation after long term practical applications. For this reason, anyone interested of using the product must be sure before hand that the product is suitable for the envisaged application. In every case the user alone is fully responsible for any consequences deriving from the use of the product. We retain the right of renewal of the data of the leaflet without warning. For the latest and valid version of the Technical Data Sheet refer to use website [www.novamix.gr](http://www.novamix.gr) or directly to the following QR code of the product.



DOMOCHEMICAL S.A.  
40St. Papanikoli  
Chalandri 15232, Athens  
T +30 210 68 93 953  
F +30 210 68 94 571  
[novamix@novamix.gr](mailto:novamix@novamix.gr)