



# KEMASAN 590 F

Fine drying plaster based on Roman lime

- ▶ For permanent drying of very damp walls
- ▶ Diffusion open
- ▶ For manual application
- ▶ Conforms to the requirements for R plasters, in accordance with the standard EN 998-1:2004
- ▶ Restistant to weather and salt
- ▶ Environment friendly



**PRODUCT DESCRIPTION** Fine drying plaster based on Roman lime with high content of special open micro pores.

**FIELD OF USE** Fine plaster, for indoor and outdoor use, for final levelling of the KEMASAN 590 drying plaster.

- PRODUCT PROPERTIES**
- For permanent drying of very damp walls
  - Diffusion open
  - For manual application
  - Conforms to the requirements for R plasters, in accordance with the standard EN 998-1:2004
  - Restistant to weather and salt
  - Environment friendly

## PRODUCT DATA

### BASIC INFORMATION

**Appearance** Grey-brown powder mixture

**Packing** 25 kg in bag (plastificated) / 1200 kg (48 x 25 kg) on pallet

**Storage and expiration date** 12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.

### TECHNICAL DATA

**Type of product** Roman lime based mortar

**Bulk density of powder** 1,16 kg/dm<sup>3</sup> EN 1015-1:1999

**Weight of fresh mortar** 2,03 kg/dm<sup>3</sup> EN 1015-7:1999

**Weight of hardened mortar** 1,76 kg/dm<sup>3</sup> EN 1015-11:2001

**Grain size** D<sub>max</sub>: 0,5 mm EN 1015-1:1999

**Layer thickness** 2 mm

**pH (at 20°C)** 12-13

**Water vapour permeability coefficient (μ)** 8,9 EN 1015-19:2001

**Value Sd (m)** 0,03 (minimum layer thickness d=3 mm) EN 1015-19:2001

**Flexural strength after 28 days** 1,86 MPa EN 1015-11:2001

**Compressive strength after 28 days** >= 1,5 MPa (CS II) EN 1015-11:2001

## INSTRUCTIONS FOR USE

**CONSUMPTION** 3 kg/m<sup>2</sup> for a layer thickness of 2 mm

**BASE** The surface to be covered has to be solid, without any free particles and clean. Before applying KEMASAN 590 F fine plaster, the surface has to be moistened with water.

**MIX RATIO** Approx.: 7,0 l water per 25 kg of dry mixture

**MIX TIME** KEMASAN 590 F fine plaster is a ready made mixture to which exclusively water may be added during the preparation.

Exceptionally, an electric mixer (with attachment for mixing mortars) can also be used for mixing. Pour into the bucket ca. 7 liters of water, add 25 kg of dry mixture and stir at low turns for 3 minutes until a slight, creamy consistency is formed.

**MIX TOOL** Regular construction mixer. Exceptionally, an electric mixer (with attachment for mixing mortar) for mixing mortars can be used.

**INSTALLATION** KEMASAN 590 F fine plaster has to be laid 1-2 days upon plastering with KEMASAN 590 drying plaster. The plaster is smoothed in a classical manner, as the fine plaster. The thickness of the plaster should be approx. 2mm. When making facade surfaces, direct sun heat, rain, strong wind or fog are to be avoided. KEMASAN 590 F fine plaster has to be cured in the same manner as other facade surfaces and protected against unfavorable weather conditions (most frequently classical protective curtains are used). Attention! KEMASAN 590 F fine plaster may be painted after approximately three weeks. Only vapour-permeable mineral coatings allowing diffusion (breathing) may be used. Silicate, silicone, mineral paintings, lime whitewash, etc. fulfill these conditions.

**TOOL** Wooden or plastic finishing trowel suitable.

**CLEANING OF TOOL** Clean tools immediately after the use before adhesive hardens. Hardened material on tools can only be removed mechanically.

**USAGE TIME** approx. 90 minutes

**COAGULATION** /

## LIMITATIONS

**BASE TEMPERATURE** +5°C min./ +30°C max.

**AIR TEMPERATURE** +5°C min./ +30°C max.

**MATERIAL TEMPERATURE** +5°C min./ +30°C max.

- WARNINGS**
- Times specified in the technical sheet were measured at the temperature of +23°C and relative air humidity of 50%. Higher temperatures reduce, while lower temperatures prolong those times.
  - Lime or other chemical additives must never be added to the plaster. It is not allowed to subsequently stir the plaster after it has been already stirred.
  - During plastering and binding the air and surface temperature must not drop below 0°C. Protect freshly installed material from freezing, rain and other weather conditions. The material should not be used at (surface, air, material) temperatures lower than +5°C.

**Recommendation:** Remains of unhardened/unset material had to be removed in accordance with the legislation.

**Data source:** All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

**Local restrictions:** Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

## SAFETY DATA

Irritating. Contains cement. Irritating to eyes, skin and respiratory tract. In case of eye contact wash thoroughly with water at once and consult a doctor. In case of skin contact flood with a lot of water. Keep away from the reach of children. More data on storage, handling and use of mixture can be found in the safety sheet which contains safety, toxicological and ecological data. Warnings on the original packaging should also be considered.



## LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.