

## TECHNICAL DATA SHEET

# KEMATERM PL-FINE

Ready-to-use thin-layer finishing coat



### PRODUCT DESCRIPTION

Ready-to-use pasty thin-layer cover coat for finishing's around the windows and doors and for decorative elements on facades, for outside and inside applications. Available in scratch (K) structures and grain size 1 mm.

#### Field of use

Protection and decoration of facades and internal wall surfaces on mineral plasters and stoppers, on concrete, for rework on organically bound stoppers and plasters, as decorative coat for the Kema thermo façade systems.

#### Product properties

KEMATERM PL-FINE is suitable on nexts surfaces:  
- Backing plaster for the thermal insulating composite system EPS  
- Lime/cement plasters, concrete  
- Mineral, silicate and water-base paint and plasters with good adhesion properties.  
- Gypsum based plasters (test it on trial surface)

- Weather-resistant
- Hydrophobic
- Washable
- Precoating with KEMATERM GRUND 210
- Easy to work with

### PRODUCT DATA

#### Basic information

Appearance	Pasty resin compound in 200 colour tones
Packing	25 kg bucket / 600 kg (24x25 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	Synthetic and silicon binders, mineral fillers, colorants, additives, water.
Largest grain	1.0 mm
Apparent density	approx. 1.8 kg/dm <sup>3</sup>
Thermal conductivity $\lambda$	approx. 0.70 W/mK
Vapour diffusion resistance coefficient $\mu$	approx. 60-80
Water absorption coefficient (w value)	< 0,10 kg/m <sup>2</sup> ×t0,5
sd value	0.06 – 0.08 m (layer thickness of 2 mm)
Adhesive strenght	> 3 MPa

## Structure of coats

1 x KEMATERM GRUND 210  
1 x KEMATERM PL-FINE

## INSTRUCTIONS FOR USE

### Consumption

approx. 2,0 kg/m<sup>2</sup>

### Base

The base surface must satisfy the following requirements: clean, dry, free of frost, free of dust, not water-repellent, free of efflorescence, supporting and free of loose particles.

### Base preparation

Pre-treatment of the base:  
- Consolidate chalking or sanding surfaces  
- Mechanically remove sinter skin  
- Remove forming oil residues from concrete with hot steam or commercially available special forming oil removers  
- Clean dirty surfaces  
- Treat base surfaces infested with algae with special agent  
- Remove weathered coats of paint with bad adhesion properties by mechanical means  
- Coat damaged and cracked mineral surfaces with stopper

### Mix ratio

Kematerm PL-FINE is ready-to-use compound, so nothing is allowed to add.

### Mix time

Mix KEMATERM PL-FINE top coat thoroughly before application.

### Mix tool

For mixing use a electric stirrer.

### Installation

After the KEMATERM GRUND 210 has been left to dry for at least 24 hours, KEMATERM PL-FINE is applied. Apply the final coat to the surface with trowel and smooth. Work evenly and without interruption. After drying time of 24 hours is second coat applied.

### Tool

For application we choose stainless steel trowel and for spreading a plastic plasterers float.

### Cleaning of tool

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

## 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

- Protect facade against direct solar irradiation, rain or strong wind (for instance with scaffolding netting).
- High relative humidity and low temperatures can prolong the drying time considerably and cause irregular colour changes.
- Kematerm PL-FINE can be adjusted on request to inhibit algae growth (this has a preventive and delaying effect, however, the non-appearance of algae cannot be guaranteed). If several batches are used, always ensure that they are mixed together before starting work.
- Do not mix with other coating substances.
- Can be painted over with KEMACOLOR G organic paint and KEMACOLOR X silicone paint.
- All base surfaces must be pre-treated with KEMATERM GRUND 210 primer. (Resting period: at least 24 hours)

**Recommendation:** Remains of the unhardened/unset material have 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

Protect your eyes and skin as well as the surroundings of the surfaces to be coated in particular glass, ceramic, clinker, natural stone, paint and metal surfaces. If applicable, remove silicone plaster splashes by rising the affected areas with a lot of water, do not wait until the plaster dries out and gets hard.

S phrases: S 2 Keep away from children. S 24 Avoid contact with the skin. S 25 Avoid contact with eyes. S 37 Wear suitable gloves

## OTHER INFORMATION

### Quality assurance:

Internal quality assurance is provided by our factory laboratories. Our system of regular production checks is externally controlled by an approved institute.

## 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.