

TECHNICAL DATA SHEET

KEMATERM PL-SX

Ready-to-use pasty poly-siloxane top coat



PRODUCT DESCRIPTION

Ready-to-use pasty polysiloxane-bound final coat (thin-layer cover coat) as floating and set with scratched or corrugated structure, for outside and inside applications. Can be processed manually and by machine.

Field of use

Available in scratch (K) structures in next grain sizes: 1K, 1,5K, 2K in 200 colour tones in the colour chart.

Protection and decoration of facades and internal wall surfaces on old and new mineral plasters and stoppers, on concrete, for listed buildings, for refurbishing, as final coat of the KEMA thermo façade systems, and on remediation plasters.

Product properties

KEMATERM PL-SX is suitable on nexts surfaces:

- Reinforced plaster for the thermal insulating composite system EPS
- Lime/cement plasters, concrete
- Old, solid mineral, silicate and dispersion-based plasters with good adhesion properties.
- Levelling mortars based on organic binder
- Gypsum based plasters

- Weather-resistant
- Waterproof
- Water vapour permeable, washable
- Minimal consumption
- 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	Organic binders, mineral fillers, colorants, additives, water.
Largest grain	1/1.5/2.0 mm
Apparent density	approx. 1.8 kg/dm ³
Thermal conductivity λ	approx. 0.70 W/mK
Vapour diffusion resistance coefficient μ	approx. 65-85
Water absorption coefficient (w value)	< 0,15 kg/m ² ×t0,5
sd value	0.13 – 0.17 m (layer thickness of 2 mm)
Colours	200 colours (special colours on request)

Structure of coats

Onto normal and equally absorptive surface:

1 x KEMATERM GRUND 210
1 x KEMATERM PL-SX

Onto repaired and non-equally absorptive surface:

2 x KEMATERM GRUND 210
1 x KEMATERM PL-SX

INSTRUCTIONS FOR USE

Consumption

Consumption depends of structure and grain size.

Grain size	1 mm	1,5 mm	2 mm
Consumption* (kg/m ²)	1,9	2,3	2,9

*-including with holes

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-SX is ready-to-use compound, so nothing is allowed to add.

Mix time

Mix KEMATERM PL-SX 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-SX is applied. If two coats of KEMATERM GRUND 210 are needed, between first and second application, 24 hours is required. Apply the final coat to the entire surface with trowel or spray it on with a suitable fining plaster machine, then screed to grain thickness and spread thin with float immediately after application. Work evenly and without interruption.

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.
- A uniform colour appearance can only be guaranteed if the products all come from a single batch.
- The development of the colour tone can be greatly influenced by the conditions of the base, the temperature and the air humidity.
- Kematerm PL-SX 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.
- If used on thermal insulating composite systems, the brightness reference value must not be lower than 25.
- Do not mix with other coating substances.
- KEMATERM PL-SX is not suitable on nexts surfaces: fresh lime plasters, synthetic compounds, varnish and oil coatings, lime coatings, wood and plastic compounds.
- All base surfaces must be pre-treated with KEMATERM GRUND 210 primer. (Resting period: at least 24 hours)
- Kematerm PL-SX consist agent against mould, but in the case of increased possibility for mould growth, the additional use of agent is recommended. Permanent protections against mould and algae is impossible.

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



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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

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