

GrafoTherm Line

DESCRIPTION

A one-component water-borne anti-condensation coating for line application.

PRODUCT FEATURES AND RECOMMENDED USES

- Excellent moisture absorbing and evaporation properties
- Prevents from condensation and dripping water
- Forms very elastic and porous coating layer
- Provides also vibration and acoustic damping when applied as a thick layer
- Complies with the requirements of EN13501-1, class A2-s1d0
- Recommended to be used for steel roofing sheets for interior and sheltered premises

TECHNICAL DATA

Weight solids

44%

Specific gravity

1.05 kg/l

Water absorption

approx. 330 g/m² of water, 600 g/m² WFT (250 g/m² DFT), (NF P15-203-1 1997)

approx. 520 g/m² of water, 1200 g/m² WFT (500 g/m² DFT), (NF P15-203-1 1997)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
600–1000 g/m ²	250–500 g/m ²	1.8–0.9 m ² /l

Recommended coverage depends on the ambient conditions like moisture and type of building etc.

See separate Grafotherm Treatment Programme.

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

Through dry	+80°C	+150°C
WFT 600 g/m ²	10–15min	4–5min
WFT 1200 g/m ²	30min	15min

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Gloss

Matt.

Color shades

White and grey.

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APPLICATION INSTRUCTIONS

Surface preparation	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) Zinc and aluzinc surfaces: Remove possible grease, salt and dirt from the surface. Primed surfaces: Industrial coil primer on the backside of the steel roofing sheets does not require any special preparation. Grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat with Temaprime EE or Rostex Super. Note the overcoating time of primer.
Recommended primers	Industrial coil sheet backside primer. Can be applied directly on galvanized thin steel (see Surface preparation).
Recommended topcoats	Do not overcoat with any other type of coating as it causes loss of absorbing properties.
Application conditions	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air and surface should not fall below +10°C during application and drying. Relative humidity of the air should not exceed 80% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying. For proper application the temperature of the product itself should be above +15°C during mixing and application.
Application	Conventional spraying or plaster spray gun. Mix the paint thoroughly before use. The paint can be thinned 0–5% by volume. Spray nozzle tip 6mm and nozzle pressure 2 bar. Air supply >1000 l/min (conventional spraying) and >250 l/min (plaster spray gun).
Thinners	Water
Cleaning of equipment	Water
VOC	The Volatile Organic Compounds amount is < 3 g/litre of paint mixture.

HEALTH AND SAFETY Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.
A health and safety data sheet is available on request from Tikkurila Oyj.

For industrial use only.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.