

GrafoTherm

PRODUCT DETAILS

DESCRIPTION

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

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Excellent moisture absorbing and evaporation properties.
- ◆ Prevents from condensation and dripping water, insulates from heat ($\lambda = 0.085$ W/mK).
- ◆ Forms very elastic and porous coating layer.
- ◆ Recommended to be used on site for steel roofing sheets, steel structures and other metal surfaces where condensation and dripping water problem occurs.
- ◆ Suitable to be used for interior and sheltered surfaces only.
- ◆ Provides also vibration and acoustic damping when applied as a thick layer.
- ◆ Complies with the requirements of EN13501-1, class A2-s1d0 and ASTM E84 (USA).
- ◆ The product has MED (Marine Equipment Directive) certificate no MED-B-8648 and is thus accepted for painting surfaces inside the ships.

TECHNICAL DATA

Volume solids 45±2%

Weight solids 32±2%

Water absorption approx. 350g/m² of water, 900 g/m² WFT and 290 g/m² DFT (NF P 15-203-1)

Specific gravity 1.1 kg/l

Product codes 006 5125, 006 5126

Recommended film thicknesses and theoretical coverage

Recommended film thickness		Theoretical coverage
dry	wet	
190–320 g/m ²	600–1000 g/m ²	1.8–1.1 m ² /l
250–410 µm	550–900 µm	1.8–1.1 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 times

DFT 320 g/m ²	+20°C, RH 55%
Touch dry	1–2 hrs
Through dry	8–12 hrs

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

Finish Matt.

Colors White and grey.

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APPLICATION DETAILS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><u>Zinc and aluzinc surfaces:</u> Sweep blast-clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with PANSSARIPESU detergent.</p> <p><u>Aluminium surfaces:</u> Sweep blast-clean with none-metallic abrasives to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with MAALIPESU detergent.</p> <p><u>Primed surfaces:</u> Industrial coil primer on the backside of the steel roofing 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.</p> <p><u>Stainless steel:</u> Roughen the surface by grinding or sweep blasting using non-metallic abrasives.</p>
Primer	<p>Temaprime EE, Temacoat RM 40, Temacoat Primer, Temacoat GPL-S Primer, and Rostex Super or directly on galvanized surface (see Surface preparation).</p> <p>Old painted surfaces are recommended to roughen to ensure adhesion.</p>
Finish	Do not overcoat with any other type of coating as it causes loss of absorbing properties.
Application conditions	<p>All surfaces must be dry. The temperature of the ambient air and surface should not fall below +10°C during application and drying. Relative humidity should not exceed 80%. The surface temperature of the surface to be coated should remain at least 3°C above the dew point.</p> <p>The temperature of paint itself should be above +15°C for proper application. Good ventilation is required in confined areas during application and drying.</p>
Application	By airless spray or when not possible by brush or roller. Mix the paint thoroughly before use. At spray application the paint can be thinned 0–5%. Airless spay nozzle tip 0.027”–0.029” or bigger and nozzle pressure 150–180 bar. Spray angle max. 40°. Use a spray unit with an output of minimum 2.7 l/min. If sieves should be used, use a course sieve, e.g. 30–60 mesh.
Thinner	Water.
Cleaning of equipment	Water.
VOC	The Volatile Organic Compounds amount to 15 g/litre of paint

For industrial and professional use only.

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.
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Mik050315/trmk050315/006 5125, 5126

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.