

Temanyl MS Primer

DESCRIPTION A one-component modified vinyl primer.

- PRODUCT FEATURES AND RECOMMENDED USES**
- Easy to handle in the painting process. Due to its high film-building properties, the paint can be applied in thick layers, thus shortening the application process
 - Can be applied at sub-zero temperatures, thus making it suitable for surfaces exposed to marine or industrial climates and mild chemical stress
 - Suitable for underwater steel, zinc and aluminium structures, such as boat bottoms. The paint is also used as a primer under conventional and self-polishing antifoulings
 - Good abrasion, immersion and atmospheric resistance
 - Can also be applied at low temperature conditions
 - Suitable to be used as a primer under vinyl, chlorinated rubber and acrylic topcoats
 - Recommended for bridges, cranes, conveyors, harbor equipment and tank exteriors

TECHNICAL DATA

Volume solids 38±2% (ISO 3233)

Weight solids 53±2%

Specific gravity 1.1 kg / l

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
160µm	60µm	6.3 m²/l
265µm	100µm	3.8 m²/l

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

Drying time

DFT 80µm	+5°C	+10°C	+23°C	+35°C
Dust dry, after	2h	1½h	1h	½h
Recoatible, after	6h	4h	3h	2h

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

Gloss Matt.

Color shades Aluminium (reddish aluminium with Temaspeed Premium tinting).

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APPLICATION INSTRUCTIONS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p>Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.</p> <p>Zinc surfaces: 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. For hot dip galvanized surfaces see separate application instructions or contact Tikkurila Technical Service.</p> <p>Aluminium surfaces: Sweep blast clean with non-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>Primed surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)</p>
Recommended primers	Temanyl MS Primer, Temabond ST 200, Temabond ST 300, Temazinc 77, Temazinc 99.
Recommended topcoats	Temacryl AR 50, Temachlor 40.
Application conditions	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below -5°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.
Application	<p>Stir the product carefully before use.</p> <p>For airless spraying, the product is thinned approximately 0–5%. Recommended nozzle tip is 0.018"–0.023" and pressure 15 MPa (150 bar). Spray angle should be 65°–80°.</p> <p>For brush application the product should be thinned according to the circumstances.</p>
Thinners	Thinner 1006
Cleaning of equipment	Thinner 1006.
VOC	<p>The Volatile Organic Compounds amount is 540 g/litre of paint.</p> <p>VOC content of the paint (thinned 5% by volume) is 557 g/l.</p>
HEALTH AND SAFETY	<p>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.</p> <p>A health and safety data sheet is available on request from Tikkurila Oyj.</p> <p>For industrial use only.</p>



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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.