

# Temaprime EE

## DESCRIPTION

A fast drying, one-component anti-corrosive special primer.

## PRODUCT FEATURES AND RECOMMENDED USES

- Used on surfaces where especially good anti-corrosive properties are required. Recommended uses include both new and maintenance painting of containers, agricultural machinery and other steel structures.
- Adheres extremely well to different kinds of substrates, such as steel, aluminium and zinc.
- Dries fast and is, therefore, quickly ready for overcoating.
- Minimum damage from burning, welding and flame cutting. Burnt paint can be easily removed by e.g. brushing.
- Can also be used without any topcoat for steel surfaces in dry indoor areas.
- Recommended uses: interior and exterior surfaces of ships above waterline, storage tank exteriors, agricultural machinery and other surfaces where especially good adhesion and anticorrosive properties are required.

## TECHNICAL DATA

**Volume solids** 47±2% (ISO 3233)

**Weight solids** 65±2%

**Specific gravity** 1.3±0.1 kg / l

### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
85µm	40µm	11.7 m <sup>2</sup> /l
130µm	60µm	7.8 m <sup>2</sup> /l

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

### Drying time

DFT 50µm	+10°C	+23°C	+35°C
Dust dry, after	1h	15min	10min
Touch dry, after	3h	1h	30min
Recoatible, after	4h	45min	30min
Through dry after 30 min / +120°C			

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

**Gloss** Matt.

**Color shades** Reddish brown (TVT 4000) and grey (TVT 4001). Temaspeed Premium tinting

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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p>Steel surfaces: Blast clean at least to grade Sa2. Clean small damages by tool cleaning to St2. (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>
<b>Recommended primers</b>	Temaprime EE.
<b>Recommended topcoats</b>	Temalac AB 70, Temalac AB MIO, Temalac FD 20, Temalac FD 50, Temalac FD 80, Temalac ML 90, Temacryl AR 50, Fontecryl 25, Fontelac QD 80.
<b>Application conditions</b>	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.
<b>Application</b>	<p>Stir the product carefully before use.</p> <p>For airless spraying, the product is thinned approximately 0–5%. Recommended nozzle tip is 0.011"–0.015" and pressure 120–160 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For brush application the product should be thinned according to the circumstances.</p>
<b>Thinners</b>	<p>Thinner 1006, Thinner 1053</p> <p>Large surfaces Thinner 1053 (slow).</p>
<b>Cleaning of equipment</b>	Thinner 1006
<b>VOC</b>	<p>The Volatile Organic Compounds amount is 470 g/litre of paint.</p> <p>VOC content of the paint (thinned 5% by volume) is 499 g/l.</p>
<b>HEALTH AND SAFETY</b>	<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><b>For industrial and professional use only.</b></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.