

## TEMADUR PRIMER

### DESCRIPTION

A two component matt polyurethane paint containing anti-corrosive pigments, hardener aliphatic isocyanate.

### PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Recommended as a primer for polyurethane systems exposed to weathering and/or chemical attack.
- ◆ Excellent weathering and abrasion resistance.
- ◆ Recommended for painting of haulage equipment, storage tank exteriors and other steelwork, machinery and equipment.

### TECHNICAL DATA

**Volume solids** 50 ± 2 %. (ISO 3233)

**Weight solids** 67 ± 2 %.

**Specific gravity** 1.3 ± 0.1 kg / l (mixed)

**Mixing ratio and product codes**

Base	7 parts by volume	007 1590-91
Hardener	1 part by volume	008 7590

**Pot life** 4 hours (23 °C / 74 °F)

### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	80 µm	12.5 m <sup>2</sup> /l
100 µm	200 µm	5.0 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 50 µm	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	30 min	30 min	15 min	10 min
Touch dry	6 h	5 h	3 h	1½ h
Recoatable, min.	4 h	2 h	30 min	20 min

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

### Finish

Matt.

### Colours

Grey, TVT 4004 and TVT 4007.

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## APPLICATION DETAILS

<b>Surface preparation</b>	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><u>Steel surfaces:</u> 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><u>Zinc 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>Hot dip galvanized surfaces are recommended to be painted with a misty coat (paint thinned 25 - 30 % or with separate TEMACOAT SEALER primer before the actual priming).</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>Stainless steel:</u> Roughen the surface by grinding or sweep blasting using mineral abrasives.</p> <p><u>Primed surfaces:</u> 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>Primer</b>	TEMADUR PRIMER.
<b>Finish</b>	TEMADUR and TEMATHANE.
<b>Application conditions</b>	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +5 °C / 41 °F during application or drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 38 °F above the dew point.
<b>Mixing components</b>	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use a mechanical agitator for mixing.
<b>Application</b>	By airless or conventional spray or by brush. Depending on the temperature of the components and the required viscosity the paint can be thinned 0 - 20 %. Mixing of the components and adjustment of the viscosity should be done right before use in order to reach an optimal result. Airless spray nozzle tip 0.011" - 0.015"; pressure 120 - 160 bar, spray angle shall be chosen according to the shape of the object. At conventional spray application the viscosity should be 20 - 25 s DIN4. At brush application the paint should be thinned according to the circumstances.
<b>Thinner</b>	Thinner 1048. Thinner 1061 is also suitable for conventional spraying.
<b>Cleaning of equipment</b>	Thinner 1048 or 1061.
<b>VOC</b>	The Volatile Organic Compounds amount to 430 ± 20 g/litre of paint.
<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 Coatings Oy.</p> <p>For professional use only.</p>