

## TEMAPRIME EE

### DESCRIPTION

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

### PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Primer for steel, aluminium and zinc surfaces.
- ◆ 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.
- ◆ Minimum damage from burning, welding and flame cutting. Burnt paint can be easily removed by e.g. brushing.
- ◆ Excellent anti-corrosive properties.
- ◆ Can also be used without any topcoat for steel surfaces in dry indoor areas.

### TECHNICAL DATA

**Volume solids** 47 ± 2 %. (ISO 3233)

**Weight solids** 65 ± 2 %.

**Specific gravity** 1.3 kg / l

**Product code** 390-series

#### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	85 µm	11.7 m <sup>2</sup> /l
60 µm	130 µm	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 50 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	1 h	15 min	10 min
Touch dry, after	3 h	1 h	30 min
Recoatable, after	4 h	45 min	30 min
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.

#### Finish

Matt.

#### Colours

Reddish brown (TVT 4000) and grey (TVT 4001). TEMASPEED tinting.

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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 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><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 FONTECLEAN ZN 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 FONTECLEAN AL detergent.</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>	TEMAPRIME EE.
<b>Finish</b>	TEMALAC, TEMACRYL, FONTELAC and FONTECRYL.
<b>Application conditions</b>	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below + 5 °C during application or drying. Relative humidity should not exceed 80 %. The temperature of the substrate should remain at least 3 °C above the dew point.
<b>Application</b>	By airless spray or by brush. Mix the paint thoroughly before use. At spray application the paint can be thinned 0 - 5 %. Airless spray nozzle tip 0.011" - 0.015" and nozzle pressure 120 - 160 bar. Spray angle shall be chosen according to the shape of the object.
<b>Thinner</b>	Thinner 1006. Large surfaces Thinner 1053 (slow).
<b>Cleaning of equipment</b>	Thinner 1006.
<b>VOC</b>	The Volatile Organic Compounds amount is 470 g/litre of paint. VOC content of the paint (thinned 5 % by volume) is 499 g/l.
<b>HEALTH AND SAFETY</b>	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 Oy.

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