

**TE9**
**TEMACOAT SPA PRIMER  
TEMACOAT SPA MIO  
TEMACOAT SPA 50**

The epoxy systems TE9 are recommended for steel, aluminium, zinc and concrete surfaces exposed to abrasion, chemicals, high humidity and climate in indoor and outdoor applications, also for submerged and underground constructions. TEMACOAT SPA 50 is available in many colours, also light ones, which makes it easier to follow up the condition of the coating.

<b>Corrosivity categories/durability according to ISO 12944</b>	<b>Tikkurila Coatings code</b>	<b>Treatment</b>
<b>Steel surfaces</b>		
<b>A4.08</b>	<b>TE9</b>	<b>EP240/3-FeSa2½</b>
<b>Corrosivity categories/durability C3-H, C4-M</b>	TEMACOAT SPA PRIMER	80 µm
Steel structures in damp environment.	TEMACOAT SPA MIO	80 µm
	TEMACOAT SPA 50	<u>80 µm</u>
		DFT
		240 µm
<b>A4.09</b>	<b>TE9</b>	<b>EP280/3-FeSa2½</b>
<b>Corrosivity categories/durability C4-H</b>	TEMACOAT SPA PRIMER	80 µm
Steel structures in damp environment, e.g. inside of pontoons, ballast water tanks.	TEMACOAT SPA MIO	100 µm
	TEMACOAT SPA 50	<u>100 µm</u>
		DFT
		280 µm

**Marking of paint systems: TE9-SFS EN ISO 12944-5/ A4.09 (EP280/3-FeSa2½)**

**COLOURS**

The product is tintable with TEMASPEED colorants, thus ensuring the possibility to get shades from RAL-, BS-, NCS- and other colour cards.

**SUITABLE SHOP PRIMERS**

TEMABLAST EV 110, epoxy shop primer.  
TEMAWELD ZSM, zinc silicate

**SURFACE PREPARATION**

Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)

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.

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 PANSARIPESU detergent.

Hot dip galvanized surfaces are recommended to be painted with a mist coat (paint thinned 25 - 30 %) before the actual priming.

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.

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)

**APPLICATION CONDITIONS**

The surface must be clean and dry and the surface temperature should remain at least 3 °C above the dew point. During application and drying the temperature of the air, paint and surface should be a minimum of + 10 °C. The relative humidity should not exceed 80 %.

**APPLICATION**

The paint should be mixed thoroughly before application and then applied in an even coat on the dry and clean surface. Application with airless or conventional spray, brush or roller. Stripe coating of sharp edges, welding seams etc. should be done by brush or roller.

**MAINTENANCE PAINTING****Maintenance**

Touch-up painting is sufficient for maintenance when the rust grade is Ri1 - Ri3. (ISO 4628-3)

Damages caused by transport or installation may also be repaired by touch-up painting. Remove all loose paint, clean rusty areas according to system demands. On steel surfaces small areas can be grinded or wire brushed to preparation grade St2. (SFS-ISO 8501-1)

Level off the edges between the old paint film and the cleaned up areas. When using blast cleaning, be sure that there are no cracks in the remaining paint film. If the entire surface has to be overcoated, abrade the old topcoat to a rough finish. Remove all dust and other cleaning residues. Apply primers and finish according to the original paint system, qualities and film thicknesses.

**Repainting**

When the rust grade is Ri4 or Ri5, the entire coating must be renewed. Remove the old paint film and clean the surfaces to preparation grade Sa2½. Recoat in accordance with the original paint system.

**PRODUCT INFORMATION**

More detailed product information is available in respective data sheets.

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