

**TX10**

**TEMASIL 90**

**TX25**

**TEMASIL 90**

**TEMAL 400**

**TX26**

**TEMASIL 90**

**TEMAL 600**

**Corrosivity categories/durability according to ISO 12944**                      **Tikkurila Coatings code**                      **Treatment**

**Steel surfaces**

**Corrosivity categories/durability C2, C3, C4, heat and immersion in solvents**

Steel surfaces exposed to weather, oil, solvents, abrasion and heat. A protective coating similar to galvanizing. Withstands + 400 °C dry heat. E.g. inside of fuel and chemical tanks, cargo hatches, car decks, heat exchangers and pipelines.  
According to SFS 5873, systems F20.05, F22.06

<b>TX10</b>	<b>ESIZn(R)70/1-FeSa2½</b>
TEMASIL 90	70 µm
	DFT
	70 µm

**Marking of paint systems: TX10-SFS 5873/F20.05 ESIZn(R)70/1-FeSa2½**

**Exposed to heat**

Steel surfaces exposed to heat in urban, maritime and industrial environment with demands on aesthetics.  
The system withstands + 400 °C.  
TEMAL 400, black.

<b>TX25</b>	<b>ESIZn(R)SI90/2-FeSa2½</b>
TEMASIL 90	70 µm
TEMAL 400	20 µm
	DFT
	90 µm

**Exposed to heat**

Steel surfaces exposed to heat in urban, maritime and industrial environment with demands on aesthetics.  
The system withstands + 400 °C.  
TEMAL 600, aluminium.  
According to SFS 5873, system F20.06

<b>TX26</b>	<b>ESIZn(R)SI90/2-FeSa2½</b>
TEMASIL 90	70 µm
TEMAL 600	20 µm
	DFT
	90 µm

**COLOURS**

TEMASIL 90, grey and greenish grey.  
TEMAL 400, black  
TEMAL 600, aluminium

**SUITABLE SHOP PRIMERS**

TEMAWELD ZSM, zinc silicate  
(Temporary protection, before TEMASIL 90 application the shop primer has to be removed.)

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<b>SURFACE PREPARATION</b>	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)  <b>Steel surfaces:</b> Blast clean to grade Sa2½. (ISO 8501-1)
<b>APPLICATION CONDITIONS</b>	The surface must 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 at least; TEMASIL 90 - 15 °C, the relative humidity should be 50 - 90 %. TEMAL 400, 600 + 5 °C, the relative humidity should not exceed 80 %.
<b>APPLICATION</b>	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.
<b>MAINTENANCE PAINTING</b>	<b>Maintenance</b> 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. 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.  <b>Repainting</b> 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.
<b>PRODUCT INFORMATION</b>	More detailed product information is available in respective data sheets.

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