

TX10
TEMASIL 90
TX25
TEMASIL 90
TEMAL 400

Corrosivity categories/durability according to ISO 12944	Tikkurila Oyj code	Treatment
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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

TX10	ESIZn(R)70/1-FeSa²/₂	
TEMASIL 90		<u>70 µm</u>
	DFT	<u>70 µm</u>

Marking of paint systems: TX10-SFS 5873/F20.05 ESIZn(R)70/1-FeSa²/₂
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.

TX25	ESIZn(R)SI90/2-FeSa²/₂	
TEMASIL 90		<u>70 µm</u>
TEMAL 400		<u>20 µm</u>
	DFT	<u>90 µm</u>

COLOURS

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

SUITABLE SHOP PRIMERS

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

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)
APPLICATION CONDITIONS	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 + 5 °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. 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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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.