

TE41

MAINTENANCE PAINTING SYSTEM

**TEMABOND ST 200
TEMACOAT GPL**

The epoxy systems TE41 are recommended as touch-up and maintenance painting for steel constructions exposed to severe chemical and mechanical stress and water immersion, when blast cleaning is not achievable. Due to the aluminium pigmentation the primer, TEMABOND ST 200, forms a very tight coat with chemical and abrasion resistance.

Corrosivity categories according to ISO 12944	Tikkurila Oyj code	Treatment
Steel surfaces		
Corrosivity categories C2 Machines and equipment exposed to chemicals and dust in dry indoor spaces in process industry.	TE41 TEMABOND ST 200 TEMACOAT GPL	EP120/2-FeSt2 80 µm <u>40 µm</u> DFT 120 µm
Corrosivity categories C2, C3 Steel constructions and equipment exposed to gas and chemical dust. According to SFS 5873, system R25.06	TE41 TEMABOND ST 200 TEMACOAT GPL	EP160/2-FeSt2 100 µm <u>60 µm</u> DFT 160 µm
Corrosivity categories C3, C4 Steel surfaces in immersion or exposed to exceptionally severe chemical splashing or chemically active dust in process industry. According to SFS 5873, system R25.08	TE41 TEMABOND ST 200 TEMACOAT GPL	EP240/3-FeSt2 2 x 90 µm <u>60 µm</u> DFT 240 µm

Marking of paint systems: TE41-EP160/2-FeSt2

COLOURS

The topcoat 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.

SURFACE PREPARATION	<p>Oil, grease, salts and dirt are removed by appropriate means. (EN ISO 12944-4)</p> <p>Steel surfaces: Remove rust by tool cleaning to minimum St2 or blast clean to Sa2½. Blast clean to the grade Sa2½ for immersion. (EN ISO 8501-1).</p>
APPLICATION CONDITIONS	<p>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 %.</p>
APPLICATION	<p>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.</p>
MAINTENANCE PAINTING	<p>Maintenance Touch-up painting is sufficient for maintenance when the rust grade is Ri1 - Ri3. (EN 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. (EN 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.</p> <p>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.</p>
PRODUCT INFORMATION	<p>More detailed product information is available in respective data sheets.</p>

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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 14101. 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.