

**TE99**
**TEMABOND ST 200  
TEMACOAT 50**

The epoxy systems TE99 are recommended for steel surfaces exposed to mechanical and chemical stress.

**Corrosivity categories/durability according to ISO 12944**
**Tikkurila code**
**Treatment**
**Steel surfaces**
**C2.05. C3.05 (12944-5:2019)**
**Corrosivity categories/durability C2-H, C3-M**

Steel surfaces in cold indoor spaces and outdoors in clean rural environment. E.g. building frameworks and platforms in warehouses and workshops.

**TE99**
**EP120/2-FeSa2½**

Temabond ST 200

80 µm

Temacoat 50

40 µm

DFT

120 µm

**C2.06. C3.06. C4.05. C5.01 (12944-5:2019)**
**Corrosivity categories/durability C2-VH, C3-H, C4-M, C5-L**

Steel constructions exposed to mild condensation in cold indoor spaces and outdoors in clean rural environment.

**TE99**
**EP180/2-FeSa2½**

Temabond ST 200

90 µm

Temacoat 50

90 µm

DFT

180 µm

**C3.07. C4.06. C5.02 (12944-5:2019)**
**Corrosivity categories/durability C3-VH, C4-H, C5-M**

Steelwork, machinery and equipment in process industries exposed to severe chemically active dust and splashes.

**TE99**
**EP240/2-FeSa2½**

Temabond ST 200

120 µm

Temacoat 50

120 µm

DFT

240 µm

**C4.07. C5.03 (12944-5:2019)**
**Corrosivity categories/durability C4-VH, C5-H**

Steelwork, machinery and equipment in process industry exposed to severe chemically active dust and splashes.

**TE99**
**EP300/2-FeSa2½**

Temabond ST 200

150 µm

Temacoat 50

150 µm

DFT

300 µm

**I.03 (12944-5:2019)**
**Corrosivity categories/durability Im1-H, Im2-H, Im3-H**

Steel structures immersed to fresh water, sea water and soil.

**TE99**
**EP380/3-FeSa2½**

Temabond ST 200

80 µm

Temabond ST 200

100 µm

Temacoat 50

100 µm

DFT

380 µm

**I.05 (12944-5:2019)**
**Corrosivity categories/durability Im1-H, Im2-H, Im3-H**

Steel structures immersed to fresh water, sea water and soil.

**TE99**
**EP400/3-FeSa2½**

Temabond ST 200

2 x 140 µm

Temacoat 50

120 µm

DFT

400 µm

**Marking of paint systems: TE99-EN ISO 12944-5/ C3.07 (EP240/2-FeSa2½)**
**COLOURS**

Temacoat 50 is tintable with TEMASPEED Premium 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

TIKKURILA OYJ

 P.O. Box 53, Heidehofintie 2, FI-01301 Vantaa, Finland, Tel. +358 (0)20 191 2000  
 VAT FI01970674, Business Identity Code 0197067-4, Registered Office Vantaa

www.tikkurila.com

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<b>SURFACE PREPARATION</b>	<p>Oil, grease, salts and dirt are removed by appropriate means. (EN ISO 12944-4)</p> <p><b>Steel surfaces:</b> Blast clean to grade Sa2½. (EN ISO 8501-1)</p>
<b>APPLICATION CONDITIONS</b>	<p>The surface must be clean, dry and the surface temperature should remain at least 3 °C above the dew point. During application and drying the temperature of the air and surface should be a minimum of + 10 °C. The temperature of the paint should be a minimum of + 15 °C. The relative humidity of the air should not exceed 80 %.</p>
<b>APPLICATION</b>	<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>
<b>MAINTENANCE PAINTING</b>	<p><b>Maintenance</b> Touch-up painting is enough 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><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.</p>
<b>PRODUCT INFORMATION</b>	<p>More detailed product information is available in respective data sheets.</p>

HNO210315

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 influence 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 enough 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.