

**TE100**
**TEMACOAT GPL-S MIO  
TEMACOAT RM 40**

The epoxy systems TE100 are recommended for steel exposed to mechanical and chemical stress. Resistance to chemicals in a separate table.

**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.

**TE100 EP120/2-FeSa2½**

Temacoat GPL-S MIO	80 µm
Temacoat RM 40	<u>40 µm</u>
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.

**TE100 EP180/2-FeSa2½**

Temacoat GPL-S MIO	90 µm
Temacoat RM 40	<u>90 µm</u>
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.

**TE100 EP240/3-FeSa2½**

Temacoat GPL-S MIO	2 x 80 µm
Temacoat RM 40	<u>80 µm</u>
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.

**TE100 EP300/3-FeSa2½**

Temacoat GPL-S MIO	2 x 100 µm
Temacoat RM 40	<u>100 µm</u>
DFT	300 µm

**Marking of paint systems: TE100- EP180/2-FeSa2½**
**COLOURS**

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

**SUITABLE SHOP PRIMERS**

TEMABLAST EV 110, epoxy shop primer

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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) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.</p> <p><b>Primed surfaces:</b> 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. (EN ISO 12944-4)</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, paint and surface should be a minimum of + 10 °C. The relative humidity 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 must 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>

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