TP133

Temadur SC-F 50

The polyurethane systems TP133 are suitable for steel surfaces exposed to mild climatic conditions. Temadur SC-F 50 forms an easy to clean finish with good gloss and colour retention properties. The systems are suitable for application both in the field and in painting shops.

Corrosivity categories/durability according to ISO 12944

<table>
<thead>
<tr>
<th>Corrosivity categories/durability</th>
<th>Tikkurila code</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel surfaces</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corrosivity categories/durability C2</td>
<td>TP133</td>
<td>PUR80/1-FeSa2 ½</td>
</tr>
<tr>
<td>Steel structures, machines and equipment exposed to mild stress with high demands on aesthetics and resistance.</td>
<td>Temadur SC-F 50</td>
<td>DFT 80 μm</td>
</tr>
<tr>
<td>Corrosivity categories/durability C2</td>
<td>TP133</td>
<td>PUR100/1-FeSa2 ½</td>
</tr>
<tr>
<td>Steel structures, machines and equipment exposed to mild stress with high demands on aesthetics and resistance.</td>
<td>Temadur SC-F 50</td>
<td>DFT 100 μm</td>
</tr>
<tr>
<td>Corrosivity categories/durability C3-M</td>
<td>TP133</td>
<td>PUR120/1-FeSa2 ½</td>
</tr>
<tr>
<td>Steel surfaces outdoors in urban and industrial environment with high demands on aesthetics and resistance.</td>
<td>Temadur SC-F 50</td>
<td>DFT 120 μm</td>
</tr>
</tbody>
</table>

Marking of paint systems: TP133-SFS 5873/F20.03 PUR100/1-FeSa2 ½

COLOURS

The product 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.
Temaweld ZSM, zinc silicate.
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) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.

APPLICATION CONDITIONS

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 at least +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. On steel surfaces small areas can be grinded or wire brushed to preparation grade St2. (SFS-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.

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. Reccoat in accordance with the original paint system.

PRODUCT INFORMATION

More detailed product information is available in respective data sheets.