

TP16

MAINTENANCE PAINTING SYSTEM

**TEMABOND ST 200
TEMADUR 90**

The polyurethane systems TP16 are suitable as touch-up and maintenance painting of steel surfaces, difficult to clean, exposed to severe climatic conditions. The primer of the system, TEMABOND ST 200, a high solids epoxy paint forms, owing to the aluminium pigmentation, a very tight, abrasion and chemically resistant film. Providing good wetting properties the paint has good adhesion also to power tool cleaned surfaces. The systems are suitable as touch-up and maintenance for objects, which have originally been treated with polyurethane systems TP10, TP48 and TP77. The systems are most suitable for field application.

| Corrosivity categories/durability according to ISO 12944 | Tikkurila Coatings code | Treatment |
|---|--|---|
| Steel surfaces | | |
| Corrosivity categories C2, C3 Steel surfaces indoors and outdoors in clean, urban and rural environment, with high demands on aesthetics of the paint film. | TP16 TEMABOND ST 200 TEMADUR 90 | EPPUR120/2-FeSt2 80 µm <u>40 µm</u> DFT 120 µm |
| Corrosivity categories C2, C3 Steel surfaces outdoors in urban and rural environment, with high demands on aesthetics of the paint film. According to SFS 5873, system R25.05 | TP16 TEMABOND ST 200 TEMADUR 90 | EPPUR160/2-FeSt2 120 µm <u>40 µm</u> DFT 160 µm |
| Corrosivity categories C3, C4 Steel surfaces outdoors in urban, maritime and industrial environment, with high demands on aesthetics of the paint film. | TP16 TEMABOND ST 200 TEMADUR 90 | EPPUR200/2-FeSt2 160 µm <u>40 µm</u> DFT 200 µm |
| Corrosivity categories C3, C4 Steel surfaces outdoors in urban, maritime and industrial environment, with high demands on aesthetics of the paint film. According to SFS 5873, system R25.07 | TP16 TEMABOND ST 200 TEMADUR 90 | EPPUR240/3-FeSt2 2 x 100 µm <u>40 µm</u> DFT 240 µm |
| Corrosivity categories C4, C5-I, C5-M Steel surfaces exposed to chemical dust, gases and other special stress, with demands on good gloss retention, durability and easiness of cleaning. According to SFS 5873, system R25.09 | TP16 TEMABOND ST 200 TEMADUR 90 | EPPUR280/3-FeSt2 2 x 120 µm <u>40 µm</u> DFT 280 µm |

Marking of paint systems: TP16-SFS 5873/R25.09 EPPUR280/3-FeSt2

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.

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| SURFACE PREPARATION | Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) Steel surfaces: Remove rust by tool cleaning to minimum St2 or blast clean to Sa2½. Blast clean to grade Sa2½ for immersion. (ISO 8501-1). |
| 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 a minimum of + 10 °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. Recoat in accordance with the original paint system. |
| PRODUCT INFORMATION | More detailed product information is available in respective data sheets. |

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