

TP69

MAINTENANCE PAINTING SYSTEM

**TEMABOND ST 200
TEMATHANE PC 80**

The polyurethane systems TP69 are suitable for 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 system TP67. TEMATHANE PC 80 polyurethane paint forms an easy to clean finish with good gloss and colour retention properties. The TP69 systems are most suitable as field applications.

Corrosivity categories/durability according to ISO 12944	Tikkurila Coatings code	Treatment
Steel surfaces		
Corrosivity categories C3, C4 Steel surfaces outdoors in urban, maritime and industrial environment with high demands on aesthetics and durability of the paint film. E.g. for pipelines and storage tanks in oil industry.	TP69 TEMABOND ST 200 TEMATHANE PC 80	EPPUR180/2-FeSt2 120 µm <u>60 µm</u> DFT 180 µm
Corrosivity categories C4 Steel surfaces exposed to chemical dust, gases and other special stress with high demands on aesthetics, durability and easiness to clean of the paint film. E.g. process areas in oil industry. According to SFS 5873, system R25.07	TP69 TEMABOND ST 200 TEMATHANE PC 80	EPPUR240/3-FeSt2 2 x 80 µm <u>80 µm</u> DFT 240 µm
Corrosivity categories C4, C5-I, C5-M Steel surfaces exposed to chemical dust, gases and other special stress with high demands on aesthetics, durability and easiness to clean of the paint film. According to SFS 5873, system R25.09	TP69 TEMABOND ST 200 TEMATHANE PC 80	EPPUR280/3-FeSt2 2 x 100 µm <u>80 µm</u> DFT 280 µm

Marking of paint systems: TP69-SFS EN ISO 5873/R25.07 (EPPUR240/3-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

SURFACE PREPARATION	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p>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)</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 paints should be mixed thoroughly before application and then applied in an even coat on the dry and clean surface. Application by airless or conventional spray or brush. 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. (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.</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 Sa2. 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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