

TP183

MAINTENANCE PAINTING SYSTEM

**TEMABOND ST 200
TEMADUR HB 50**

The polyurethane systems TP183 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 TP139, TP164 and TP172B. TEMADUR HB 50 polyurethane paint forms an easy to clean finish with good gloss and colour retention properties. The TP183 systems are most suitable for field application.

Corrosivity categories/durability according to ISO 12944

Tikkurila code

Treatment

Steel surfaces

Corrosivity categories/durability C2, C3

Steel surfaces indoors and outdoors in clean urban and rural environment, with high demands on aesthetics of the paint film.

TP183

EPPUR120/2-FeSt2

TEMABOND ST 200

80 µm

TEMADUR HB 50

40 µm

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

TP183

EPPUR160/2-FeSt2

TEMABOND ST 200

120 µm

TEMADUR HB 50

40 µm

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.

TP183

EPPUR200/2-FeSt2

TEMABOND ST 200

160 µm

TEMADUR HB 50

40 µm

DFT

200 µm

Corrosivity categories C3, C4

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 R25.07

TP183

EPPUR240/3-FeSt2

TEMABOND ST 200

2 x 100 µm

TEMADUR HB 50

40 µm

DFT

240 µm

Corrosivity categories/durability C4, C5

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

TP183

EPPUR280/3-FeSt2

TEMABOND ST 200

2 x 120 µm

TEMADUR HB 50

40 µm

DFT

280 µm

Marking of paint systems: TP183-SFS 5873/R25.07 EPPUR240/3-FeSt2

COLOURS

The product 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.

SURFACE PREPARATION	Oil, grease, salts and dirt are removed by appropriate means. (EN 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. (EN ISO 8501-1).
APPLICATION CONDITIONS	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 %.
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 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. 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.

HNO200805

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 have an effect on 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 sufficient 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.