
TP71**TEMADUR HB 50**

The polyurethane systems TP71 are suitable for steel, aluminium and zinc surfaces exposed to moderate climatic conditions. TEMADUR HB 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	Tikkurila Coatings code	Treatment
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Steel surfaces**Corrosivity categories/durability C1-H, C2**

Steel surfaces indoors and outdoors in clean rural environment with high demands on appearance and resistance.
According to SFS 5873, system F20.03

TP71

TEMADUR HB 50

PUR100/1-FeSa2

DFT

100 µm

100 µm

Marking of paint systems: TP71-SFS 5873/F20.03 (PUR100/1-FeSa2½)

Aluminium surfaces**Corrosivity categories C1, C2**

Aluminium surfaces outdoors in urban, maritime and industrial environment, with high demands on appearance and resistance.
According to SFS 5873, system F40.01

TP71

TEMADUR HB 50

PUR100/1-AISaS

DFT

100 µm

100 µm

Zinc surfaces (hot-dip galvanized)**Corrosivity categories C1, C2**

Zinc surfaces outdoors in urban, maritime and industrial environment, with high demands on appearance and resistance.
According to SFS 5873, system F30.01.

TP71

TEMADUR HB 50

PUR100/1-ZnSaS

DFT

100 µm

100 µm

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.
SD ZINC 1000 HA, zinc silicate.

SURFACE PREPARATION

Remove firm contaminations in order to make the cleaning easier. Remove salts, grease and oil with a suitable detergent. Rinse the surfaces thoroughly with water. (ISO 12944)

Steel surfaces:

Blast clean steel surfaces to preparation grade Sa 2. (ISO 8501 - 1)

Zinc surfaces:

Sweep blast-clean with mineral abrasives, e.g. quartz sand, to grade SaS. (SFS 5873). If blast cleaning isn't possible, the surfaces should be roughened by grinding or washed with PANSSARIPESU detergent. In these cases the adhesion of the paint to the substrate should be confirmed.

Damages in the zinc coating have to be repaired with TEMAZINC 99, a zinc rich epoxy paint. Before painting, clean the surfaces thoroughly (Sa2½/St3) and level off the edges around the cleaned areas.

Aluminium surfaces:

Sweep blast-clean with none-metallic abrasives to grade SaS. (SFS 5873). If blast cleaning isn't possible, the surfaces should be roughened by grinding or washed with MAALIPESU detergent. In these cases the adhesion of the paint to the substrate should be confirmed.

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 Sa 2½. Recoat in accordance with the original paint system.

PRODUCT INFORMATION

More detailed product information is available in respective data sheets.