TE56

TEMABOND ST 300

The epoxy systems TE56 are recommended for steel constructions in atmospheric environment when blast cleaning is not achievable. The product, TEMABOND ST 300 forms a very tight, abrasion and chemically resistant coat. Maintenance painting system.

Corrosivity categories/durability according to ISO 12944	Tikkurila Coatings code		Treatment
Steel surfaces			
Corrosivity categories/durability C2,C3 Steel surfaces in environment where the humidity and salinity are moderate. According to SFS 5873, system R25.04	**TE56** TEMABOND ST 300	**EP100/1-FeSt2** DFT	 100 µm 100 µm
Corrosivity categories/durability C4, C5-I, C5-M Steel constructions and equipment, which are exposed to gas and chemical dust. E.g. framework for pipe lines and service platforms.	**TE56** TEMABOND ST 300	**EP200/2-FeSt2** DFT	 2 x 100 µm 200 µm
Corrosivity categories/durability Im1, Im2, Im3 Steel surfaces in water immersion.	**TE56** TEMABOND ST 300	**EP300/2-FeSt2** DFT	 2 x 150 µm 300 µm

Marking of paint systems: TE56-SFS 5873/R25.04 (EP100/1-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.
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:
Power tool or wirebrush cleaning of steel surfaces to at least preparation grade St2, the best result is achieved by blast cleaning. (ISO 8501 - 1).

APPLICATION CONDITIONS

The surface must 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. 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.

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The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. When necessary verify the validity of the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of the standards ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.