

TE5
TEMALINE BL

The epoxy systems TE5 are suitable for coating of submerged steel and concrete surfaces exposed to chemicals and severe mechanical abrasion. Withstand immersion indilute solutions of non-oxidizing acides, alkalis, salts, oil, gasoline, also lead free gasoline qualities. Resistance to chemicals is specified separately in each particular case. The systems withstand + 150 °C/300 °CF dry heat and + 60 °C/140 °F in immersion according to resistance table.

Corrosivity categories according to ISO 12944	Tikkurila Coatings code	Treatment
Steel surfaces		
Corrosivity categories C5-I, Im1, Im2 Steel surfaces exposed to water-soluble chemicals, solvents and oil products according to separate resistance table. Tanks for lead-free gasoline and other oil products.	TE5 TEMALINE BL	EP500/1-FeSa2½ DFT $\frac{1 \times 500 \mu\text{m}}{500 \mu\text{m}}$
Corrosivity categories C5-I, Im1, Im2 Inside of tanks and basins exposed to water, chemical solutions, kerosene, fuel and raw oil, immersion and splashes. According to SFS 5873, system F22.05	TE5 TEMALINE BL	EP500/2-FeSa2½ DFT $\frac{2 \times 250 \mu\text{m}}{500 \mu\text{m}}$

Marking of paint systems: TE5-SFS 5873/F22.05 EP500/2-FeSa2½

Concrete surfaces

Corrosivity categories C5-I, Im1, Im2 Inside of tanks and basins exposed to water, chemical solutions, kerosene, fuel and raw oil, immersion and splashes.	TE5 TEMALINE BL	EP500/2 DFT $\frac{2 \times 250 \mu\text{m}}{500 \mu\text{m}}$
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COLOURS

Green and red.

SUITABLE SHOP PRIMERS

The surfaces should be blast cleaned so that only traces of used shop primer are left, the surface should be evenly grey, Sa2½.
 The surface profile should be rough.
 (SFS-ISO 8503-2)

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 2½. (ISO 8501 - 1)

New concrete

Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.

Old concrete

Remove all dust and loose particles. Remove all grease, oil, chemicals and other impurities by detergent washing or flame cleaning. Remove old peeling paint layer by grinding, milling or vacuum grit blasting. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.

APPLICATION CONDITIONS

The surface must clean and dry and the surface temperature should remain at least 3 °C/ 5 °F above the dew point. During application and drying the temperature of the air, paint and surface should be a minimum of + 10 °C/50 °F. 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 two component spray equipment, when necessary use hoses, which can be warmed up. 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 St3 (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.