

TE2
TEMALINE LV

The epoxy systems TE2 are used for steel and galvanized surfaces exposed to severe abrasion. Specially for outside hull of ice-going vessels, sluices, navigation markers, silo interiors and other surfaces exposed to severe abrasion. Application by special two component airless spray equipment.

Corrosivity categories according to ISO 12944	Tikkurila Coatings code	Treatment
Steel surfaces		
Corrosivity categories Im1, Im2, Im3 Steel surfaces exposed to severe mechanical abrasion, e.g. outside hull of ice-going vessels. According to SFS 5873, system F22.02	TE2 TEMALINE LV	EP500/1-FeSa2½ DFT $\frac{1 \times 500 \mu\text{m}}{500 \mu\text{m}}$

Marking of paint systems: TE2-SFS 5873/F22.02 EP500/1-FeSa2½

Zinc surfaces (hot-dip galvanized)

Corrosivity categories Im1, Im2, Im3 Galvanized surfaces exposed to severe mechanical abrasion, e.g. road cylinders.	TE2 TEMALINE LV	EP400/1-ZnSaS DFT $\frac{1 \times 400 \mu\text{m}}{400 \mu\text{m}}$
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COLOURS

Red, Black, white and a limited range of colours on request.

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 Sa2½. (ISO 8501 - 1)

Zinc surfaces:

Sweep blast-clean with mineral abrasives, e.g. quartz sand, to grade SaS. (SFS 5873). 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.

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 Sa2½. Recoat in accordance with the original paint system.

PRODUCT INFORMATION

More detailed product information is available in respective data sheets.

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