

TE23
**TEMAZINC 99
 TEMACOAT GPL-S MIO
 TEMACOAT GPL**

The epoxy systems TE23 are recommended for steel surfaces exposed to chemical and other special stress. The primer of the system, TEMAZINC 99, a zinc rich epoxy paint offers a cathodic protection for the steel. 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
Steel surfaces		
S1.29, S3.21, S4.19, S5.07, S6.05 Corrosivity categories/durability C3-H, C4-L, C5-I-M Steel surfaces in severe industrial environment with high humidity and pollution.	TE23 TEMAZINC 99 TEMACOAT GPL-S-MIO TEMACOAT GPL	EPZn(R)EP160/3-FeSa2½ 40 µm 60 µm <u>60 µm</u> DFT 160 µm
S1.35, S4.21, S5.09, S6.06, S7.07 Corrosivity categories/durability C4-H, C5-I-H, C5-M-M Steel surfaces in severe industrial and maritime environment with high humidity and pollution.	TE23 TEMAZINC 99 TEMACOAT GPL-S MIO TEMACOAT GPL-S-MIO TEMACOAT GPL	EPZn(R)EP240/4-FeSa2½ 40 µm 70 µm 70 µm <u>60 µm</u> DFT 240 µm
S1.41, S4.23, S5.06, S7.09 Corrosivity categories/durability C4-H, C5-M-H Steel surfaces in severe maritime environment with high humidity and pollution.	TE23 TEMAZINC 99 TEMACOAT GPL-S MIO TEMACOAT GPL-S-MIO TEMACOAT GPL	EPZn(R)EP320/4-FeSa2½ 40 µm 100 µm 100 µm <u>80 µm</u> DFT 320 µm

Marking of paint systems: TE23-SFS EN ISO 12944-5/S5.09 (EPZn(R)EP240/4-FeSa2½)

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

SD ZINC 1000 HA, zinc silicate
 (Temporary protection, before TEMAZINC 99 application the shop primer has to be removed)

SURFACE PREPARATION	<p>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)</p> <p>Steel surfaces: Blast clean steel surfaces to preparation grade Sa2½. (ISO 8501 - 1)</p>
APPLICATION CONDITIONS	<p>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 %.</p>
APPLICATION	<p>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.</p>
MAINTENANCE PAINTING	<p>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.</p> <p>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.</p>
PRODUCT INFORMATION	<p>More detailed product information is available in respective data sheets.</p>

tctuates\metall\i\system\te23\data\22.82001