

TA12
**TEMAPRIME EE
TEMALAC FD 80**

The alkyd systems TA12 are suitable for steel, aluminium and zinc surfaces exposed to climatic conditions. The primer of the system, TEMAPRIME EE is a fast drying primer with excellent anticorrosive properties. The systems are suitable for application in painting shops.

Corrosivity categories/durability according to ISO 12944	Tikkurila Coatings code	Treatment
Steel surfaces		
S1.05, S2.02 Corrosivity categories/durability C1, C2-M Steel constructions, machinery and equipment indoors. The system is suitable for brush application.	TA12 TEMAPRIME EE TEMALAC FD 80	AK80/2-FeSa2½ DFT 40 µm <u>40 µm</u> 80 µm
S1.07, S2.04, S3.02 Corrosivity categories/durability C2-M, C3-L Steel constructions in cold indoors spaces and outdoors in clean rural environment. E.g. frameworks and platforms in warehouses and work shops.	TA12 TEMAPRIME EE TEMALAC FD 80	AK120/2-FeSa2½ DFT 80 µm <u>40 µm</u> 120 µm
S1.09, S2.06, S3.04 Corrosivity categories/durability C2-H, C3-M Steel constructions, machinery and equipment outdoors in urban, maritime and industrial environment. E.g. outside of tanks.	TA12 TEMAPRIME EE TEMAPRIME EE TEMALAC FD 80	AK160/3-FeSa2½ DFT 80 µm 40 µm <u>40 µm</u> 160 µm

Marking of paint systems: TA12-SFS-EN ISO 12944-5/S2.04 (AK120/2-FeSa2½)

Aluminium surfaces

Corrosivity categories C1, C2, C3, C4 Aluminium surfaces outdoors in urban, maritime and industrial environment. Surfaces exposed to mild gas and chemical dust.	TA12 TEMAPRIME EE TEMALAC FD 80	AK80/2-AISaS DFT 40 µm <u>40 µm</u> 80 µm
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Zinc surfaces (hot-dip galvanized)

Corrosivity categories C1, C2, C3, C4 Zinc surfaces outdoors in urban, maritime and industrial environment. Surfaces exposed to mild gas and chemical dust.	TA12 TEMAPRIME EE TEMALAC FD 80	AK80/2-ZnSaS DFT 40 µm <u>40 µm</u> 80 µm
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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 Sa2½. (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 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 +5 °C/50 °F. The relative humidity should not exceed 85 %.

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.