

## TH53

### Temazinc 99 Fontecoat EP 50 Beige Fontedur HB 80

The hybrid systems TH53 are suitable for steel surfaces exposed to severe climatic conditions. The primer of the system, Temazinc 99, a zinc rich epoxy paint, offers cathodic protection for the steel. Waterborne Fontedur HB 80 polyurethane paint forms an easy to clean finish with good gloss and colour retention properties. 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
<b>Steel surfaces</b>		
<b>A1.19, A4.14</b> <b>Corrosivity categories/durability C3-H, C4-M</b> Steel surfaces outdoors in urban, maritime and industrial environment, where the humidity and pollution are high. According to SFS 5873, system A4.14	<b>TH53</b> Temazinc 99 Fontecoat EP 50 Beige Fontedur HB 80	<b>EPZn(R)EPPUR200/3-FeSa2½</b> 40 µm 120 µm <u>40 µm</u> 200 µm
<b>A1.20, A4.15, A5I.04</b> <b>Corrosivity categories/durability C4-H, C5-I-M</b> Steel surfaces outdoors in urban, maritime and industrial environment, where the humidity and pollution are high.	<b>TH53</b> Temazinc 99 Fontecoat EP 50 Beige Fontedur HB 80	<b>EPZn(R)EPPUR240/3-FeSa2½</b> 40 µm 120 µm <u>80 µm</u> 240 µm
<b>Corrosivity categories/durability C4-H, C5-I-H, C5-M-H</b> Steel surfaces outdoors in urban, maritime and industrial environment, where the humidity and pollution are high. The paint system fulfills the requirements set in the standard NORSOK M-501 rev. 5:2004 table A.1.	<b>TH53</b> Temazinc 99 Fontecoat EP 50 Beige Fontedur HB 80	<b>EPZn(R)EPPUR280/4-FeSa2½</b> 60 µm 60 µm 100 µm <u>60 µm</u> 280 µm
<b>A1.23, A5I.05, A5M.06</b> <b>Corrosivity categories/durability C4-H, C5-I-H, C5-M-H</b> Steel surfaces outdoors in urban, maritime and industrial environment, where the humidity and pollution are high.	<b>TH53</b> Temazinc 99 Fontecoat EP 50 Beige Fontedur HB 80	<b>EPZn(R)EPPUR320/4-FeSa2½</b> 40 µm 2 x 100 µm <u>80 µm</u> 320 µm
<b>Marking of paint systems: TH53-SFS-EN ISO 12944-5/A4.15 (EPZn(R)EPPUR240/3-FeSa2½)</b>		

## 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

Temaweld ZSM, zinc silicate.  
(Temporary protection, before Temazinc 99 application the shop primer has to be removed).

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<b>SURFACE PREPARATION</b>	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)  <u>Steel surfaces:</u> Blast clean to grade Sa2½. (ISO 8501-1).
<b>APPLICATION CONDITIONS</b>	The surface must be 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 +15°C. The relative humidity should not exceed 70%.
<b>APPLICATION</b>	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.
<b>MAINTENANCE PAINTING</b>	<b>Maintenance</b> 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.  <b>Repainting</b> 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.
<b>PRODUCT INFORMATION</b>	More detailed product information is available in respective data sheets.

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