

TEMATAR TFA

DESCRIPTION

A two component, modified epoxy paint.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Resistant to heavy abrasion and immersion in water.
- ◆ Does not contain any coal tar.
- ◆ Suitable for steel, zinc and concrete surfaces exposed to abrasion and/or chemical attack, especially for underground and underwater structures.
- ◆ Recommended for sludge and sewage tanks, pontoons, ship ballast tanks, fuel oil and crude oil tanks, and other underground or underwater tanks and vessels.

TECHNICAL DATA

Volume solids 70 ± 2 %. (ISO 3233)

Weight solids 82 ± 2 %.

Specific gravity 1.5 kg / l (mixed)

Mixing ratio and product codes

Base	4 parts by volume	008 5450
Hardener	1 part by volume	008 5459

Pot life 2 hours (23 °C / 74 °F)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
100 µm	145 µm	7.0 m ² /l
140 µm	200 µm	5.0 m ² /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

DFT 125 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	3 h	2 h	1 h
Touch dry	16 h	8 h	4 h
Recoatible, min.	16 h	8 h	4 h
Recoatible, min. surfaces exposed to immersion	36 h	16 h	8 h

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish Semigloss.

Colours Black.

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APPLICATION DETAILS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><u>Steel surfaces:</u> Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.</p> <p><u>Zinc surfaces:</u> Sweep blast-clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with PANSSARIPESU detergent.</p> <p>Hot dip galvanized surfaces are recommended to be painted with a misty coat (paint thinned 25 - 30 % or with separate TEMACOAT SEALER primer before the actual priming).</p> <p><u>Primed surfaces:</u> Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)</p> <p><u>Concrete surfaces:</u> The surface must be dry and at least 4 weeks old. The relative humidity of the concrete should not exceed 97%. Remove any splashes and unevennesses by grinding. Remove laitance and form oil from concrete castings by sanding or blast cleaning. Any cracks, crevices and voids must be repaired with a mixture of TEMAFLOOR 200 and fine, dry quartz sand.</p>
Primer	TEMATAR TFA, TEMAZINC 77 and 99.
Finish	TEMATAR TFA.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10 °C / 50 °F during application and drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 38 °F above the dew point.
Mixing components	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use a mechanical agitator for mixing.
Application	<p>By airless spray or brush. If necessary, the paint can be thinned 0 - 10 %. Airless spray nozzle tip 0.015" - 0.021"; spray angle shall be chosen according to the shape of the object.</p> <p>Sharp edges, welding seams etc. should be separately painted by brush in order to obtain a sufficient corrosion protection, "reinforce painting".</p> <p>At brush application the paint should be thinned according to the circumstances.</p>
Thinner	Thinner 1031.
Cleaning of equipment	Thinner 1031.
VOC	The Volatile Organic Compounds amount to 280 ± 20 g/litre of paint.
HEALTH AND SAFETY	<p>Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.</p> <p>A health and safety data sheet is available on request from Tikkurila Coatings Oy.</p> <p>For professional use only.</p>