

Tematar TFA

- DESCRIPTION** A two component, modified epoxy paint.
- PRODUCT FEATURES** Suitable for steel, zinc and concrete surfaces exposed to abrasion and/or chemical stress, especially for underground and underwater structures.
- RECOMMENDED USES** 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

- Features** Resistant to heavy abrasion and immersion in water. Does not contain any coal tar.
- Colour Range** Black.
- Gloss groups** Semi-gloss

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.

- Thinner** 1031
- Mixing ratio** Base 4 parts by volume 008 5450
Hardener 1 part by volume 008 5459

Application method By airless spray or brush.

Pot-life (+23°C) 2 hours

Drying times

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

- Solids volume** 70 ± 2 % volume (ISO 3233)
82 ± 2 % weight
- Density** 1.5 kg / l (mixed)
- Product code** 008 5450

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APPLICATION DETAILS

Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10 °C during application and drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C above the dew point.
Preparation	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion. Zinc surfaces: 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 FONTECLEAN ZN detergent. Hot dip galvanized surfaces are recommended to be painted with a mist coat (paint thinned 25 - 30 %) before the actual priming. Primed surfaces: 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) Concrete surfaces: 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 TEMAFLOR 200 and fine, dry quartz sand.
Priming	TEMATAR TFA, TEMAZINC 77, TEMAZINC 88 and TEMAZINC 99.
Finishing	TEMATAR TFA.
Painting	By airless spray or brush. If necessary, the paint can be thinned 0 - 10 %. Airless spray nozzle tip 0.015" - 0.021" and nozzle pressure 120 - 180 bar. Spray angle shall be chosen according to the shape of the object. Sharp edges, welding seams etc. should be separately painted by brush in order to obtain a sufficient corrosion protection, "reinforce painting". At brush application the paint should be thinned according to the circumstances.
Mixing of components	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use Temaspeed Squirrel Mixer for mixing.
EU VOC 2004/42/EC-limit value	The Volatile Organic Compounds amount is 280 g/litre of paint. VOC content of the paint mixture (thinned 30 % by volume) is 412 g/l.

HEALTH AND SAFETY CLASSIFICATION

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. A health and safety data sheet is available on request from Tikkurila Oy.

Product safety data sheet	 TEMATAR TFA black [GB-ENG]
Thinner safety data sheet	 THINNER 1031 [GB-ENG]
Hardener safety data sheet	 HARDENER 008 5459 [GB-ENG]

The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system,

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based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.

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