

TEMALINE FW

DESCRIPTION

A two component, solvent free epoxy coating.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Suitable for steel and concrete surfaces in immersion, also for walls etc. in the food industry. When fully cured the coat is tasteless and odourless.
- ◆ Can be applied by standard airless spray equipment.
- ◆ Recommended for interior surfaces of potable water tanks, grain and other foodstuff containers, as well as dairy, bakery, slaughterhouse and other installations in the food industry.
- ◆ Withstands +150 °C / 300 °F dry heat and + 60 °C / 140 °F in immersion.
- ◆ More detailed information on chemical resistance available on a separate table.
- ◆ VTT (Technical Research Centre of Finland) approval certificate No. ELI 1188/93 is available. (When tested the name was Reapox FW)

TECHNICAL DATA

Volume solids about 100 %. (ISO 3233)

Weight solids about 100 %.

Specific gravity 1.4 kg / l (mixed)

Mixing ratio and product codes

Base	3 parts by volume	008 7085
Hardener	1 part by volume	008 7089

Pot life 40 min (23 °C / 74 °F)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
200 µm	200 µm	5.0 m ² /l
300 µm	300 µm	3.3 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 250 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	6 h	2 - 3 h	1½ h
Touch dry	20 h	12 h	6 h
Recoatible without sanding	8 - 72 h	4 - 48 h	2 - 24 h

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

Finish Glossy.

Colours White.

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APPLICATION DETAILS

Surface preparation	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) <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 or voids must be repaired with a mixture of TEMALINE FW and fine dry quartz sand.
Primer	Steel surfaces: TEMALINE FW Concrete surfaces: Impregnation with 30 % thinned TEMALINE FW
Finish	Steel surfaces: TEMALINE FW Concrete surfaces: 1 - 2 x TEMALINE FW
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +15 °C / 59 °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 mix the base and a necessary amount of thinner using mechanical stirring. Then add the pre-mixed hardener. The correct proportions of base and hardener must be mixed thoroughly before use. Use a mechanical agitator for mixing.
Application	By airless spray or brush. Airless spray nozzle tip 0.018" - 0.023"; spray angle shall be chosen according to the shape of the object. It is recommendable to use a reverse nozzle. Sharp edges, corners, weld seams and other areas difficult to paint should be painted by brush prior to spray application. For patching small areas, the coating can be thinned abt. 5 %. Note! Pot life of the mixture is about 40 min. at + 23 °C / 74 °F and about 5 min. at + 35 °C / 95 °F. Avoid to let the mixture cure in hoses, pump or spray gun.
Thinner	Thinner 1031. When coating food industry subjects, Thinner 1029 should be used.
Cleaning of equipment	Thinner 1031 or 1029.
VOC	Does not contain Volatile Organic Compounds.
HEALTH AND SAFETY	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 Coatings Oy. For professional use only.

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