

TEMALINE BL

DESCRIPTION

A two component, solvent free epoxy coating.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ As a heavy duty coating on steel and concrete surfaces exposed to abrasion and chemical and mechanical attack in immersion.
- ◆ Good resistance to dilute solutions of non-oxidizing acids, alkali and salts in immersion.
- ◆ More detailed information on chemical resistance available on a separate table.
- ◆ Suitable for coating lead-free gasoline tanks. Type approval certificate, nr. SA 1-2-1334-1 (SAG Kontroll Ab).
- ◆ Withstands + 150 °C / 300 °F dry heat and + 60 °C / 140 °F in immersion.
- ◆ Recommended for oil storage tanks, cisterns and basins in the forest industry, chemical industry and sewage purification plants etc.

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 7055-6
Hardener	1 part by volume	008 7080

Pot life ½ hour (23 °C / 74 °F)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
250 µm	250 µm	4.0 m ² /l
600 µm	600 µm	1.7 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	8 h	6 h	2 h
Touch dry	30 h	16 h	8 h
Recoatible without sanding	8 - 48 h	4 - 24 h	2 - 10 h
Fully cured	14 d	7 d	3 d

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

Finish Glossy.

Colours Red and green. The colour is liable to change when exposed to light or chemicals.

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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 BL and fine dry quartz sand.
Primer	Steel surfaces: TEMALINE BL Concrete surfaces: Impregnation with 30 % thinned TEMALINE BL
Finish	Steel surfaces: 1 x TEMALINE BL Concrete surfaces: 2 x TEMALINE BL
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	Application with a dual feed hot airless spray equipment, with a pressure ratio of at least 45:1 and a theoretical litre capacity of at least 8 l/min. Optimum spray temperature is around 50 °C / 120 °F at the nozzle, starting temperature about 60 °C / 140 °F. Airless spray nozzle tip 0.018" - 0.027"; 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. Note! Pot life of the mixture is about 30 min at + 23 °C / 74 °F and about 5 min at + 40 °C / 105 °F. Avoid to let the mixture cure in hoses, pump or spray gun.
Thinner	Thinner 1031 or acetone.
Cleaning of equipment	Thinner 1031 or acetone.
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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