

Temaline EPL 100

DESCRIPTION A two component epoxy phenolic paint.

PRODUCT FEATURES Resistant to dilute solutions of non-oxidizing acids, alkali and salts in immersion. Suitable for immersion of hot water from 65 °C - 100 °C. Withstands dry heat up to 150 °C, but discolouration possible. Note the restricted overcoating time.

RECOMMENDED USES -

TECHNICAL DATA

Colour Range Buff and white.

Gloss groups Semi-gloss

Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
100 µm	150 µm	6.6 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 3.5 parts by volume 008 7057
Hardener 1 part by volume 008 5609

Pot-life (+23°C) 1 hour.

Drying times

DFT 125 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	6 h	2 h	1 h
Touch dry, after	12 h	4 h	3 h
Recoatible without sanding, after	28 h	24 h	20 h

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

Solids volume 66 ± 2 % (ISO 3233).
80 ± 2 %

Density 1.4 kg / litre (mixed).

Product code 008 7057

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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 or drying. Relative humidity should not exceed 60%. 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)
Finishing	Steel surfaces: Blast clean to grade Sa2½ (ISO 8501-1). Temaline EPL 100.
Priming	Temaline EPL 100.
Painting	By spray or brush. Depending on the application method the paint can be thinned 0-20%. Airless spray nozzle tip 0.021"-0.025". Spray angle shall be chosen according to the shape of the object.
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.
Cleaning of tools	Thinner 1031.
EU VOC 2004/ 42/EC-limit value	The Volatile Organic Compounds amount is 270 g/litre of paint mixture. VOC content of the paint mixture (thinned 20 % by volume) is 390 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.