# Temaline EPL 100

## DESCRIPTION

A two component epoxy phenolic paint.

## PRODUCT FEATURES AND RECOMMENDED USES

- Resistant to dilute solutions of non-oxidizing acids, alkali and salts in immersion.
- Resistance to fuels and chemicals as listed in the separate chemical resistance table.
- Suitable for immersion of hot water between +65ºC–90ºC.
- Withstands dry heat up to +150ºC, but discolouration possible.

## TECHNICAL DATA

**Volume solids**

72±2% (ISO 3233).

**Weight solids**

83±2 %

**Product weight**

1.45 kg/litre (mixed).

**Mixing ratio and product codes**

| | | |
|---|---|---|
| Base | 5 parts by volume | 25V 7005 |
| Hardener | 1 part by volume | 008 5612 |

**Pot life**

1 hour (+23ºC)

**Recommended film thicknesses and theoretical coverage**

| Recommended film thicknesses | | Theoretical coverage |
|---|---|---|
| dry | wet | |
| 100µm | 130µm | 7.7 $m^2$/l |
| 150µm | 200µm | 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 times**

| DFT 125µm | **+10ºC** | **+23ºC** | **+35ºC** |
|---|---|---|---|
| Dust dry, after | 12h | 4h | 2h |
| Touch dry, after | 24h | 7h | 5h |
| Recoatable, after | 30h | 10h | 8h |
| Recoatable, max. without sanding | 3d | 48h | 24h |

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

**Finish**

Semigloss.

**Colours**

White, beige (RAL1015) and light grey (RAL 7032 and 7044).

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## APPLICATION DETAILS

**Surface preparation**

Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)

Steel surfaces: Blast clean to grade Sa2½ (ISO 8501-1).

**Primer**

Temaline EPL 100.

**Finish**

Temaline EPL 100.

**Application conditions**

All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +10ºC during application or drying. Relative humidity should not exceed 80%. The surface temperature of the steel should remain at least 3ºC 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 Temaspeed Squirrel Mixer for mixing.

**Application**

By spray or brush. Depending on the application method the paint can be thinned 0–5%. Airless spray nozzle tip 0.015"–0.019". Spray angle shall be chosen according to the shape of the object.

**Thinner**

Thinner 1031.

**Cleaning of equipment**

Thinner 1031.

**VOC**

The Volatile Organic Compounds amount is 240 g/litre of paint mixture.
VOC content of the paint mixture thinned 5% by volume is 270 g/l.

**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 Oyj.

**For industrial and professional use only.**

mkp 0410137/tmk041013/25V 7005, 008 5612

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.