

# Temablast EV 110

## DESCRIPTION

A two-component, iron oxide pigmented epoxy shop primer.

## PRODUCT FEATURES AND RECOMMENDED USES

- Protects blast cleaned steel during storage, fabrication and construction.
- Does not cause any harm during welding, cutting and burning or other treating of the steel.
- The product is found to comply with:
  - o DNV GL class programme DNVGL-CP-0109 – Type approval – Shop primers for corrosion protection of steel plates and sections.
  - o DNV GL rules for classification – Ships.
  - o DNV GL offshore standards.
  - o The shop primer is approved for application on blast cleaned steel plates and sections.
  - o Product approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.
- For industrial use only according to Directive 1999/13/EC.

## TECHNICAL DATA

**Volume solids** 27±2% (ISO 3233)

**Weight solids** 48±2%

**Specific gravity** 1.2 kg / l (mixed)

**Mixing ratio** Base 2 parts by volume Temablast EV 110  
 Hardener 1 part by volume 008 7929

**Pot life (+23°C)** 24 hours.

### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
75µm	20µm	13.5 m²/l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Note! The painting work should be performed and supervised according to 12944-7 if not otherwise stated in the respective technical data sheet. Excessive film thickness may result e.g. in cracking, sagging, prolonged drying time, soft film, less chemical resistance, gloss deviation, adhesion and intercoat functionality. In case the product is used otherwise than stated in the standard a written approval from Tikkurila is required.

### Drying time

DFT 20µm	+10°C	+23°C	+35°C
Touch dry, after	6min	3-5min	1min
Recoatible, after, min.	36h	24h	12h

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

**Gloss** Matt.

**Color shades** Red and RAL 7036.



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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	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.
<b>Recommended topcoats</b>	Any type of paint with the exception of zinc rich paints. When selecting finishing coat for the shop primed surface, take into account the stress for which the object will be exposed. (SFS 8145)
<b>Application conditions</b>	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +10°C during application and drying. Relative humidity of the air should not exceed 80% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.
<b>Mixing components</b>	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use power mixer for mixing. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and weaken the properties of the coating.
<b>Application</b>	For airless spraying, the product is thinned approximately 0–5% to the viscosity 16–18s (DIN4/20°C). Recommended nozzle tip is 0.011"–0.018" and pressure 120–180 bar. Spray angle shall be chosen according to the shape of the object.
<b>Thinners</b>	Thinner 1031
<b>Cleaning of equipment</b>	Thinner 1031
<b>VOC</b>	The Volatile Organic Compounds amount is 610 g/litre of paint. VOC content of the paint mixture (thinned 5% by volume) is 625 g/l. Directive 2004/42/EC is not applicable in the use of the product.

**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 use only.**

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.