

## Temablast EV 110

<b>TYPE</b>	Two component, iron oxide pigmented epoxy shopprimer.
<b>SUITABILITY</b>	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.
<b>EXAMPLES OF USE</b>	Blast cleaned steel.

### TECHNICAL DATA

Features The product is found to comply with: Det Norske Veritas' Offshore Standards, Det Norske Veritas' Rules for Classification of Ships and Det Norske Veritas' Type Approval Programme 1-602.2, 1999, Shop Primers for Corrosion Protection of Steel Plates and Sections. The shop primer is approved for application on blast cleaned steel plates and sections. For industrial use only according to Directive 1999/13/EC.

Colour Range Red

Gloss groups Matt

Coverage	Recommended film thicknesses		Theoretical coverage
	dry	wet	
	20 µm	75 µm	13.5 m <sup>2</sup> /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 2 parts by volume 008 7920  
Hardener 1 part by volume 008 7929

Application method By spray.

Pot-life (+23°C) 24 hours

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

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

Solids volume 27 ± 2 % volume (ISO 3233)  
48 ± 2 % weight

Density 1.2 kg / l (mixed)

Product code 008 7920

### INSTRUCTIONS FOR USE

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 80 %. 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)

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.

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Finishing	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)
Painting	By spray. If necessary, the paint can be thinned 0 - 5 % to a viscosity of 16 - 18 s DIN 4/20 °C. Airless spray nozzle tip 0.011" - 0.018" and nozzle pressure 120 - 180 bar. 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 610 g/litre of paint. VOC content of the paint mixture (thinned 5 % by volume) is 625 g/l.

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**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.

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The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.

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