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# **EPODUX ZINC 59-178**

Zinc-rich single component primer



# DEFINITION

Epoxy ester Zinc-rich primer (zinc content in dry film according to standard NF EN ISO 12944-5).

(previously known as PINTALU 400 PRIMAIRE)

#### INTENDED USES

Workshop applicable anticorrosive and high temperature protection for :

- Metallic frame structures,
- Pylons,
- Heat exchangers,
- Chimney,
- Boilers,
- Outside of vats,
- Pipelines,
- Tankers,
- Superstructure of ships, etc...

EPODUX ZINC 59-178 may be used for small repairs on galvanised steel and for weld beads of galvanized steel.

#### PRINCIPAL CARACTERISTICS

- Anticorrosive protection by electrochemical process,
- Excellent resistance to bad weather,
- Usable as a weldable primer if applied in a thin layer (from 15 to 20  $\mu m),$
- Usable as a primer with PINTALU 400 FINITION for steel walls exposed to high
- temperatures (400°C peak temperature)
- Not directly recoatable by alkyd paints.

#### **TECHNICAL DATA**

- Gloss level: MathematicalColours: MathematicalNumber of components: 1Specific gravity: 2.Solids volume: 51Solids weight: 84Typical thickness (dry): 40Typical thickness (wet): 78Theoretical spreading rate: 12
  - : Mat : Metallic grey : 1 : 2.70 +/- 0,10 g/cm<sup>3</sup> : 51.0 +/- 3% : 84.0+/- 2% : 40 μm : 78 μm : 12.8 m<sup>2</sup>/l for 40 μm dry







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## INSTRUCTIONS

### SURFACE PREPARATION

#### New steel « heavy duty use »

Abrasive blast cleaning at Sa 2  $^{1\!\!/}_2$  according to ISO 8501-1: 2007 Roughness profile: Mid G according to ISO 8503-2 (Ra 10-12,5  $\mu m)$  Old surfaces Please contact our Technical Service.

Scraping / brushing mini St3, the performance of the coating will be improved by abrasive blasting.

#### APPLICATION

Substrate temperature :	Between +5°C and +40°C and at least 3°C higher than the dew point in order to eliminate any risk of condensation.
Weather conditions :	The temperature should be between 5°C and 40°C The relative humidity should be between 0% and 85%

## AIRLESS SPRAY

Thinner : 68-69 v01 Dilution : 5 to 10 % Nozzle : 0.015-0.017 Pressure at nozzle : 150-200 bars Min pump ratio : 30 / 1

#### AIR SPRAY

Thinner : 68-69 v01 Dilution : 10 to 15 % Nozzle : depending on equipment Pressure at nozzle : 3-5 bars

#### BRUSH

Thinner : 68-69 v01 Dilution : 3 to 10 % Only recommended on small surfaces

#### ROLLER

Thinner : 68-69 v01 Dilution : 3 to 10 % Only recommended on small surfaces

CLEANING SOLVENT : 68-69 v01



Galvanized steel/weld beads





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#### **CURING TIME**

	Drying time		Overcoating interval			
Temperature	Touch dry	Hard dry	Minimum	Maximum	Ready for use	
10°C	1 hour	2 hours	8 hours	Unlimited.	24 hours	
20°C	45 minutes	1 hour 30	5 hours	However, check the absence of zinc salts Unlimited.	18 hours	
30°C	30 minutes	1 hour	3 hours	However, check the absence of zinc salts Unlimited.	12 hours	
COMPATIBILITY However, check the absence of zinc salts						
Previous coat(s)Please contact our Technical Service.Subsequent coat(s)EPODUX PRIMER 61-134 v01, PINTALU 400 FINITION, PRIMOTHANE, BIOFER, STRIACRYL "O".						
REGULATORY SPECI	FICATIONS					
AFNOR RATING VOC (Directive 2004/42/EC)	AFNOR NF EU limit va This produc	AFNOR NFT 36 005 rating Family I Class10g EU limit value for this product (cat. A/i) : 500 g/l (2010) This product contains max 500 g/l VOC				
HEALTH AND SAFET	(					
Flash point	between 23	3°C and 55°C				
Transport and labelling	ng Refer to the	Refer to the safety data sheet established as per applicable European directives				
Shelf life	1 year in or	1 year in original full, sealed packaging. Store in a cool, ventilated place.				
Precautions	Refer to the	Refer to the current material safety data sheet				
PACKAGING						

Packaging
5
0.5 l



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This description sheet is designed to inform customers about the properties of our product. The information is based on our current knowledge. However, this information cannot replace an appropriate description of the nature and condition of the base to be painted. Techniques and technology are constantly developing and it is up to our customers, before using any product, to check with our departments that the sheet has not been updated and replaced by a more recent version. The present description sheet replaces any previous sheet about the same product. The above technical data does not engender acceptance of any guarantee