

EPODUX BR 100

Polyamine epoxy



DEFINITION

Modified epoxy intermediate or primer paint, surface-tolerant, contains zinc phosphate.

INTENDED USES

Long lasting coating for the protection of metal structures including :

- Oil tanks,
- Silos,
- Bridges...

EPODUX BR 100 is particularly well adapted for treating or repairing existing systems.

PRINCIPAL CHARACTERISTICS

Particularly well suited to brush or roller application.

Good adherence on :

- Sa 2 1/2 blasted steel.
- Previous glycerophthalic, epoxydic or polyurethane coats in a good state.

Over 1?500 colour tints possible with our ?Industry? tinting machine system.

CERTIFICATIONS / APPROVALS

ACQPA : Brand ACQPA 25682

Is used in the following certified systems : C3ANV1104, C3ANV1482, C3AMV1104, C3AMV1482, C4ANV1105, C4ANV1481, C4AMV1105 and C4AMV1481.

TECHNICAL DATA

Gloss level	: Mat satin
Colours	: Light gray, RAL / AFNOR color chart
Number of components	: 2
Mix ratio, by weight	: 75,6/24,4
Mix ratio, by volume	: 2/1
Specific gravity	: 1,32 +/- 0,05 g/cm ³
Solids volume	: 72,0 +/- 3%
Solids weight	: 80,0 +/- 2%
Typical thickness (dry)	: 80 µm mini - 150 µm maxi
Typical thickness (wet)	: 110 µm mini - 210 µm maxi
Theoretical spreading rate	: 7,2 m ² /l for 100 µm dry

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INSTRUCTIONS

SURFACE PREPARATION

New steel « heavy duty use »

Abrasive blast cleaning at Sa 2 ½ according to ISO 8501-1 : 2007.

Roughness profile

Mid G according to ISO 8503-2 (Ra 10-12,5 µm).

Maintenance :

High pressure water jet cleaning (UHP) at Wa 2 1/2 -L according to ISO 8501-4 : 2006.

EPODUX BR 100 may be used to cover certain ancient coats of paint as long they are still in a good state. In any case, a suitability test must be carried out (application followed by an adherence test after complete drying) in order to validate the suitability of the products and the preparation of the chosen surface.

APPLICATION

Mixing : The product is sold as pre- prepared kits. For the hardener portion in the base coat container and mix. Take care not to create air bubbles. The minimal recommended temperature of the mixture must be at least 15°C, or a thinner may be required in order to achieve adequate viscosity. Please note that an excessive amount of thinner may induce a dripping phenomenon.

Induction time : 10 to 15 mn

Working pot life :

Temperature	Time
10°C	4 hours
20°C	2 hours
30°C	1 hour

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%

Technical note : Do not keep the spraying equipment loaded for longer than the lifespan of the product in a container. Rinse the equipment with the 67-232 v02 thinner and rinse thoroughly with a cleaning solvent. The container containing the prepared and unused mixture must not be hermetically sealed. In case of prolonged interrupted use, it may be preferable to prepare a new kit.

AIRLESS SPRAY

Thinner : 67-232 v01

Dilution : 5 to 10 %

Nozzle : 0.017-0.021

Pressure at nozzle : 200-250 bars

Report pump Min: 45 / 1

AIR SPRAY

Thinner : 67-232 v01

Dilution : 10 to 15 %

Nozzle : depending on equipment

Pressure at nozzle : 3-5 bars

BRUSH

Thinner : 67-232 v01

Dilution : 0 to 5 %

ROLLER

Thinner : 67-232 v01

Dilution : 0 to 5 %

CLEANING SOLVENT : 67-232 v01

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CURING TIME

Temperature	Drying time		Overcoating interval	
	Touch dry	Hard dry	Minimum	Maximum
10°C	8 hours	16 hours	24 hours	12 months
20°C	4 hours	8 hours	12 hours	12 months
30°C	2 hours	5 hours	8 hours	12 months

COMPATIBILITY

Previous coat(s) Itself, EPODUX PRIMER 61-134 v01, PRIMODUX H, EPODUX ZINC 62-208
Subsequent coat(s) Itself, POLYSTRIA v01, FERROTHANE

REGULATORY SPECIFICATIONS

AFNOR RATING AFNOR NFT 36 005 rating Family I Class 6b
VOC (Directive EU limit value for this product (cat. A/j) : 500 g/l (2010)
2004/42/EC) This product contains max 355 g/l VOC

HEALTH AND SAFETY

Flash point BASE : between 23°C and 55°C
 HARDENER : between 23°C and 55°C

Transport and labelling Refer to the safety data sheet established as per applicable European directives

Shelf life 3 years in original full, sealed packaging. Store in a cool, ventilated place.

Precautions Refer to the current material safety data sheet

PACKAGING

KIT	BASE	HARDENER
15 l	10 l	5 l
4 l	2,66 l	1,34 l