

EPODUX BR 100

Polyamine epoxy

DEFINITION

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

INTENDED USES

Substrate(s) : Carbon steel
Old paint

Exposure(s) : Indoor
Outdoor (if covered)

PRINCIPAL CHARACTERISTICS

Particularly well suited to brush or roller application (1)

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

Over 1500 colour tints possible with our "Industry" tinting machine system.

CERTIFICATIONS / APPROVALS

ACQPA



25682

COMPATIBILITY

PREVIOUS COAT(S)*	SUBSEQUENT(S) COAT(S)*
Itself EPODUX PRIMER 61-134 v01 PRIMODUX H v01 range of EPODUX ZINC	Itself POLYSTRIA v01 POLYSTRIA HES FERROTHANE

*For any product not mentioned in compatibility lists, contact our technical support.

TECHNICAL DATA

NUMBER OF COMPONENTS	2
GLOSS LEVEL	Mat satin
COLOURS	Light gray, RAL / AFNOR color chart
MIXING RATIO	weight : 75,6/24,4 volume : 2/1
SPECIFIC GRAVITY	1,32 +/- 0,05 g/cm ³
SOLIDS CONTENT	weight : 80,0 +/- 2% volume : 72,0 +/- 3%
TYPICAL THICKNESS (DRY)	80 µm mini - 150 µm maxi
RECOMMENDED WET FILM THICKNESS	110 µm mini - 210 µm maxi
THEORETICAL SPREADING RATE	7,2 m ² /l for 100 µm dry
AFNOR RATING NFT 36 005	Family I Class 6b
VOC (Directive 2004/42/EC)	Cat. A/j : 500 g/L (2010) 355 g/L VOC
PACKAGING	15 L - 4 L

Specific gravity, solid content by volume and by weight are given for mix A+B, without thinner and on the white base for all topcoat. Liquid characteristics of products are given at 20°C.

DRYING TIME - OVERCOATING INTERVAL

FILM THICKNESS 100 µm dry	POT LIFE	DRYING TIME		OVERCOATING INTERVAL	
		Touch dry	Hard dry	Minimum	Maximum
10°C	4 hours	8 hours	16 hours	24 hours	12 months
20°C	2 hours	4 hours	8 hours	12 hours	12 months
30°C	1 hour	2 hours	5 hours	8 hours	12 months

Introduce thinner may affect pot life. Dilution, relative humidity and aeration could affect drying time.

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INSTRUCTIONS

All surfaces must be clean, dry and contamination-free before painting.

SURFACE PREPARATION

SUBSTRATE(S) :	RECOMMENDED
Carbon steel	Sa 2½ (ISO 8501-1); Medium Grit (ISO 8503-2; Ra 10-12,5µm)
Old paint*	Compatible coating intact and adherent. Washing High Pressure + Pst 2 (ISO 8501-1)

*An appropriate test (application and adhesion test after drying) is recommended to ensure product compatibility.

APPLICATION CONDITIONS

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 10°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		
WEATHER CONDITIONS	Room temperature Relative humidity	: :	The temperature should be between 5°C and 40°C 85% maximum
TEMPERATURE	Of substrate Of product	: :	Between and +5°C and +40°C and at least 3°C higher than the dew point in order to eliminate any risk of condensation. Between and 10°C and 35°C
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.		

Early exposure to condensation or rain could provide a change of gloss and/or shade.

APPLICATION

APPLICATION EQUIPMENT	DILUTION*	NOZZLE	PRESSURE AT NOZZLE	MINIMUM PUMP RATIO	REMARKS
AIRLESS SPRAY	5 to 10 %	0.017-0.021 (inches)	200-250 bars	45 : 1	-
AIR SPRAY CONVENTIONAL	10 to 15 %	depending on equipment	3-5 bars	-	-
BRUSH	0 to 5 %	-	-	-	-
ROLLER	0 to 5 %	-	-	-	-
THINNER	67-232 v02		CLEANING SOLVENT	67-232 v02	-

* Dilution rate % are indicative and should be adapted to atmospheric conditions and site specific conditions. Excess of thinner could involve sagging effect and lost of opacity.

Remark(s)

(1) Product suitable for maintenance systems

HEALTH AND SAFETY

Flash point	:	BASE between 23°C and 55°C HARDENER between 23°C and 55°C
Shelf life	:	DLUO : 3 years minimum in original full, sealed packaging . Store in a cool, ventilated place.
Precautions	:	Refer to the current material safety data sheet(SDS).
Transport and labelling	:	Refer to SDS according to European directives.
Waste Managment	:	Soiled Industrial wastes. For more information, please refer to SDS.