

# EPODUX IM 209

High build epoxy

## DEFINITION

Surface tolerant High build epoxy coating

## INTENDED USES

*Substrate(s)* : Carbon steel  
Galvanized steel  
Metallized steel  
Concrete (1)  
Old paint

*Exposure(s)* : Indoor  
Outdoor (if covered)  
Buried  
Immersed  
(2)

## PRINCIPAL CHARACTERISTICS

- Good adherence on cold or damp surfaces (non dripping) : this feature enables to coat active forced ducts without any losses associated with maintenance interruptions.
- Applicable in thick layers (600 microns, no sagging).
- Good anti corrosion protection.
- May be immersed 30 min after coating (polymerisation under water).(3)
- Over 1500 colour tints possible with our "Industry" tinting machine system.

## CERTIFICATIONS / APPROVALS

ACQPA	EDF	RTE
<input checked="" type="checkbox"/> 35511	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## COMPATIBILITY

PREVIOUS COAT(S)*	SUBSEQUENT(S) COAT(S)*
Itself EPODUX IM 208 gamme PRIMODUX gamme EPODUX ZINC EPODUX PRIMER 61-134 v01 EPODUX IM 209 GF EPODUX IM 213 STRIAFORM.	Itself EPODUX IM 213 POLYSTRIA v01 POLYSTRIA HES FERROTHANE STRIAFORM.

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

## TECHNICAL DATA

NUMBER OF COMPONENTS	2
GLOSS LEVEL	Satin
COLOURS	Beige, White, Light Grey, Black, according to RAL / AFNOR
MIXING RATIO	weight : 83/17 volume : 74,5/25,5
SPECIFIC GRAVITY	1,55 +/- 0,05 g/cm <sup>3</sup>
SOLIDS CONTENT	weight : 90,15 +/- 2% volume : 85,00 +/- 3%
TYPICAL THICKNESS (DRY)	from 50 to 400 µm
RECOMMENDED WET FILM THICKNESS	from 60 to 470 µm
THEORETICAL SPREADING RATE	16,7 m <sup>2</sup> /l for 50 µm dry and 2,1 m <sup>2</sup> /l for 400 µm dry
AFNOR RATING NFT 36 005	Family I Class 6b
VOC (Directive 2004/42/EC)	Cat. A/j : 500 g/L (2010) 310 g/L VOC
PACKAGING	1 L - 4 L - 15 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 200 µm dry	POT LIFE	DRYING TIME		OVERCOATING INTERVAL	
		Touch dry	Hard dry	Minimum	Maximum
10°C	1h30	14 hours	24 hours	16 hours	not critic.
20°C	1 hour	4 hours	5 hours and 30 mn	4 hours and 30 mn	not critic.
30°C	30 minutes	3 hours	4 hours	3 hours	not critic.

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

## EPODUX IM 209

### INSTRUCTIONS

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

#### SURFACE PREPARATION

SUBSTRATE(S) :	MINIMUM	RECOMMENDED
Carbon steel	Washing High Pressure + St 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1); Medium Grit (ISO 8503-2; Ra 10-12,5µm) Compatible with Stripping UHP - Wa 2½ (ISO 8501-4).
Galvanized steel	Etching with METONET followed by rinsing with clean water. The surface should have a rough profile	Blasting with non metallic abrasive. The surface should be clean, uniform and have rough profile.
Metallized steel	/	The substrate will be in accordance with standard NF EN ISO 2063. In case of damage or defects observed on the surface please refer to the recommendations of the standard NF EN ISO 12944-4.
Concrete (1)	Substrate at least 28 days old, free from any capillary moisture in compliance with recommendations set forth in DTU 59-3 and DTU 54-1	Substrate at least 28 days old + blasting Sa 2 1/2
Old paint	Compatible coating intact and adherent. Washing High Pressure + PSt 2 (ISO 8501-2)	Compatible coating intact and adherent. Sa + 2½ (ISO 8501-1)

#### 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 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	None		
WEATHER CONDITIONS	Room temperature Relative humidity	: :	The temperature should be between 7°C and 45°C 100% maximum
TEMPERATURE	Of substrate Of product	: :	Between and +3°C and +40°C Between and 10°C and 35°C
TECHNICAL NOTE	Do not keep the spraying equipment loaded for longer than the pot life 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	0 to 25 % (4)	0.019-0.023 (inches)	250-300 bars	60: 1	-
BRUSH	0 to 5 %	-	-	-	(5)
ROLLER	0 to 5 %	-	-	-	(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) Concrete at least 28 days old, clean, dry, and sound.
- (2) The film's properties, except for its color, are not affected by actinic radiation.
- (3) A color change (whitening) may occur during polymerization in an immersed environment; the other characteristics of the coating are not affected.
- (4) The maximum dilution rate is reserved for application on metallized substrates when EPODUX IM 209 is used as a pore filler.
- (5) Thickeners can be applied in several coats.

### HEALTH AND SAFETY

Flash point	: BASE Greater than 61°C HARDENER Greater than 61°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 Management	: Soiled Industrial wastes. For more information, please refer to SDS.

PEINTURES MAESTRIA

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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.