

EPODUX IM 209 GF

Reinforced High Build "Tolerant " Epoxy

DEFINITION

High build epoxy coating tolerant to humidity.
EPODUX IM 209 GF is the glass flakes reinforced version of EPODUX IM 209.

INTENDED USES

Substrate(s) : Carbon steel
Galvanized steel
Concrete (1)

Exposure(s) : Outdoor (if covered)
Buried
Immersed

PRINCIPAL CHARACTERISTICS

- Good adherence on cold or damp surfaces (non dripping) : this feature enables to coat active hydraulic line 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).
- Compatible with cathodic protection

(2) (3)

COMPATIBILITY

PREVIOUS COAT(S)*	SUBSEQUENT(S) COAT(S)*
Itself PRIMODUX H v01 PRIMODUX EV EPODUX PRIMER 61-134 v01 EPODUX IM 208 ...	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	Satin
COLOURS	White, Light Grey, others : please contact us.
MIXING RATIO	weight : 83/17 volume : 74,5/25,5
SPECIFIC GRAVITY	1,56 +/- 0,05 g/cm ³
SOLIDS CONTENT	weight : 91,25 +/- 2% volume : 85,00 +/- 3%
TYPICAL THICKNESS (DRY)	from 200 to 400 µm
RECOMMENDED WET FILM THICKNESS	from 235 to 470 µm
THEORETICAL SPREADING RATE	4,2 m ² /l for 200 µm dry and 2,1 m ² /l for 400 µm dry
AFNOR RATING NFT 36 005	AFNOR NFT 36 005 rating Family I Class 6b
VOC (Directive 2004/42/EC)	Cat. A/j : 500 g/L (2010) 310 g/L VOC
PACKAGING	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	5 hours and 30 mn	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.

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INSTRUCTIONS

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

SURFACE PREPARATION

SUBSTRATE(S) :	MINIMUM	RECOMMENDED
Carbon steel	/	Sa 2½ (ISO 8501-1); Medium Grit (ISO 8503-2; Ra 10-12,5µm)
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.
Concrete (1)	Substrate at least 28 days old, free from any capillary moisture.	minimum + impregnation with RESINE MULTICOUCHE v01 until saturation of surface

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 15°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	15 %	0.021-0.025 (inches)	250-300 bars	60 : 1	-
BRUSH	0 to 5 %	-	-	-	(4)
ROLLER	0 to 5 %	-	-	-	(4)
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 loss 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 modified.
- (4) Thicknesses achievable in several passes

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.