

EPODUX ZINC 57-35

Zinc-Epoxy Primer



DEFINITION

Epoxy primer pigmented with metallic zinc and micaceous iron oxide.

INTENDED USES

Protection of steel structures such as :

- Metallic frame structures,
- Harbor's equipments and structures,
- Bridges,
- Containers, ?

PRINCIPAL CHARACTERISTICS

Protection of steel structures against corrosion by the combination of two widely proven techniques :

- Cathodic protection due to the presence of metallic zinc in the film,
- Barrier effect provided by the micaceous iron oxide.

Fast Drying and overcoatability.

CERTIFICATIONS / APPROVALS

ACQPA : Brand ACQPA 26772

Is used in the following certified systems:

C3ANV1330, C4ANV1329, C3ANV1531, C4ANV1530.

TECHNICAL DATA

Gloss level	: Mat
Colours	: Metallic grey
Number of components	: 2
Mix ratio, by weight	: 91/9
Mix ratio, by volume	: 79/21
Specific gravity	: 2,20 +/- 0,10
Solids volume	: 57,0 +/-3%
Solids weight	: 84,0 +/-2%
Typical thickness (dry)	: 15 µm mini / 70 µm maxi
Typical thickness (wet)	: 30 µm mini / 125 µm maxi
Theoretical spreading rate	: 11,4 m ² /l for 50 µm dry



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INSTRUCTIONS

SURFACE PREPARATION

New steel « heavy duty use »

Abrasive blast cleaning at Sa 3 according to ISO 8501-1: 2007.

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

Mechanical blasting by means of scraping/brushing to achieve a St3 degree is accepted in certain cases (e.g.: small repairs).

Please contact our Technical Department.

APPLICATION

Mixing : The product is supplied in pre-measured kit form. Pour the hardener part into the base tub and mix, taking care not to incorporate air. The mixing temperature should be at least 10°C. If not, it is necessary to add thinner to get the application viscosity. N.B. excess thinner increases the risk of sagging.

Induction time : 10 minutes

Working pot life :

Temperature	Time
10°C	12 hours
20°C	8 hours
30°C	4 hours

Substrate temperature : Between +5°C and +40°C and at least 3°C higher than the dew point in order to avoid 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 leave paint in spray equipment for longer than the pot life. Rinse equipment with 67-232 v02 thinner then clean it carefully with cleaning solvent. Prepared mix that is not used should not be sealed hermetically. For an extended stop, it is better to prepare a new kit.

AIRLESS SPRAY

Thinner : 67-232 v02

Dilution : 0 to 10 %

Nozzle : 0.011-0.015

Pressure at nozzle : 150-200 bars

Report pump Min: 45 / 1

AIR SPRAY

Thinner : 67-232 v02

Dilution : 5 to 15 %

Nozzle : depending on equipment

Pressure at nozzle : 3-5 bars

BRUSH

Thinner : 67-232 v02

Dilution : 0 to 5 %

Only recommended on small surfaces

ROLLER

Thinner : 67-232 v02

Dilution : 0 to 5 %

Only recommended on small surfaces

CLEANING SOLVENT : 67-232 v02



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CURING TIME

Temperature	Drying time		Overcoating interval	
	Touch dry	Hard dry	Minimum	Maximum
10°C	1 hour	2 hours	2 hours	12 months, if absence of zinc salts
20°C	0 hour 45	1 hour 30	1 hour 30	12 months, if absence of zinc salts
30°C	0 hour 25	0 hour 45	0 hour 45	12 months, if absence of zinc salts

COMPATIBILITY

Previous coat(s) Please contact our Technical Department.
 Subsequent coat(s) EPODUX PRIMER 61-134 v01, EPODUX HV-PC, EPODUX BR 100, CHIMICOTE, FERROCOTE, PRIMODUX H, PRIMODUX SR 74-31, PRIMODUX EV...
 Warning : before using EPODUX ZINC 57-35 check for the absence of zinc salts.

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 280 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 1 year in original full, sealed packaging. Store in a cool, ventilated place.
 Precautions Refer to the current material safety data sheet

PACKAGING

KIT	BASE	HARDENER
10 l	7,90 l	2,10 l