

EPODUX ARF

Solvent free epoxy

DEFINITION

Epoxy coating, applicable with an Airless 60/1 for a layer-thickness from 150 to 300 µm by coat.

INTENDED USES

"High quality" protective coating for metal and concrete structures located in a confined and aggressive environment, buried or immersed in fresh water or sea water:

- Tunnel walls and ceilings,
- Harbour structures,
- Interior of water, or petrol tanks,
- Retention tanks,
- Water treatment plants, etc...

PRINCIPAL CHARACTERISTICS

Good adherence properties and good film hardness.

Semi glossy finish.

Excellent resistance to chemicals (please contact our technical department).

Note : the film properties, excluding the colour, are not affected by actinic radiation.

CERTIFICATIONS / APPROVALS

ACQPA : Brand ACQPA 29202. Is used in the following certified system : B 300 IL 900, B300 VL 901, B500 IL 929 et B500 VL 930.

Fire : Reaction to fire M1 on a non-insulating M0 material : classification report FCBA FCBA 21/RC21, FCBA 21/RC22, FCBA 21/RC24, FCBA 21/RC25

CE Marking : Epodux ARF meets the requirements of standard NF EN 1504-2 "Surface protection systems for concrete", principles 1, 2 and 8. Declaration of Performance(DoP) available on request.

TECHNICAL DATA

Gloss level	: Glossy
Colours	: White and derived colours, other colours : please contact us
Number of components	: 2
Mix ratio, by weight	: 80/20
Mix ratio, by volume	: 72/28
Specific gravity	: 1,50 +/- 0,05 g/cm³
Solids volume	: 97,0 +/-3%
Solids weight	: 96,0 +/-2%
Typical thickness (dry)	: 150 /300 µm dry
Typical thickness (wet)	: 150/300 µm
Theoretical spreading rate	: 6,70 m²/l for 150 µm dry - 3,30 m²/l for 300 µm dry



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INSTRUCTIONS

SURFACE PREPARATION

New steel « heavy duty use »

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

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

Concrete:

The surface must be at least 28 days old, clean, dry, in good state, free from any pollutant, with no rising damp and cleaned of any ancient traces of paint by abrasive blast cleaning if necessary.

Old coating

EPODUX ARF is adapted to recoat some old and undamaged paints. In all cases, it is necessary to perform a test of convenience (application followed by an adhesion test after complete drying) to validate the compatibility of products and surface preparation chosen.

Refer to COMPATIBILITY.

APPLICATION

Mixing : The product is supplied in pre-measured kit form. For the hardener part into the base tub and mix, taking care not to incorporate air. The mixing temperature should be at least 15°C. If not, it is necessary to add an heating system to get the application viscosity. N.B. an excess of heating can make the mix sag.

Induction time : None

Working pot life :

Temperature	Time
10°C	90 minutes
20°C	40 minutes
30°C	20 minutes

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 leave paint in spray equipment for longer than the pot life. Rinse equipment with 67-232 v01 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 : 68-69 v01 ou 67-232 v02

Dilution : 0-5%

Nozzle : 0.019-0.021

Pressure at nozzle : 250-300 bars à la buse

Mini pump ratio: 60/1

AIR SPRAY

Not advised.

BRUSH

Thinner : /

Thickness achievable after several passes

ROLLER

Thinner : /

Thickness achievable after several passes

CLEANING SOLVENT : 67-232 v02

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CURING TIME

Temperature	Drying time		Overcoating interval		Ready for use
	Touch dry	Hard dry	Minimum	Maximum	
10°C	18 hours	10 days	24 hours	Not critical	14 days
20°C	12 hours	7 days	15 hours	Not critical	10 days
30°C	8 hours	4 days	10 hours	Not critical	7 days

COMPATIBILITY

Previous coat(s) Itself, EPODUX PRIMER 61-134 v01, PRIMODUX H...
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/i) : 500 g/l (2010)
2004/42/EC) This product contains max 255 g/l VOC

HEALTH AND SAFETY

Flash point BASE : Greater than 61°C
 HARDENER : Greater than 61°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	10,80 l	4,20 l