

EPOXY PRIMER EP 211

PRIMER
Two component

Edition JAN 2015

CORROSION PREVENTION PRIMER WITH ZINC PHOSPHATE, 2 components, providing an excellent bonding primer for steel, galvanised steel, zinc and aluminium surfaces.

FEATURES

EPOXY PRIMER EP 211 is an anticorrosive polyamino-amide epoxy primer with zinc phosphate.

EPOXY PRIMER EP 211 presents good resistance properties :

- in marine atmosphere
- when dry temperature
- to greases and chemicals product (contact us)

EPOXY PRIMER EP 211:

- Fast dry time
- Easy sandability
- Can be applied with low temperature (between 10°C and 15°C)
- Can be recoated by epoxy filler without sanding if you respect dry time to recoat.

RECOMMENDED USES

EPOXY PRIMER EP 211 can be applied with film at:

- 80 microns on steel after abrasive blasting (NS SA 2,5)
- 40 microns on galvanized steel and zinc (after METAL CLEANER treatment)
- 60 microns on composites, gelcoats, lacquers.

Anticorrosive primer convenient to protect :

- boat interiors and exteriors
- cast iron keels
- aluminium and carbon spars
- tanks
- metal structures

EPOXY PRIMER EP 211 is compatible with systems EPZ 210, EP 213, 215 HB, EPOXYGUARD 455, EP 200, epoxy filler MIX FILL 10 and 30, 100 and 300, intercoats Sprayable Filler 500/700, EPU 221, PU 228 and finishing PU 77, PU 99 and TOPCOAT COLOR 320.

SPECIFICATION DATA

COATING TYPE: Polyaminoamide Primer

COLOR : Light beige

GLOSS : Matt

COMPONENT : Two component

○

COMPONENT RATION :

- Weight : 100 Base / 9,6 Hardener
- Volume : 100 Base / 16 Hardener

INDUCTION TIME (at 20°C) : 20 to 30 minutes

POT LIFE (at 20°C) : 8 hours

THINNER : EP N° 17

DENSITY at 20°C : 1,48

VOLUME SOLIDS : app. 50 %

VOC : 450,79g/l

THEORETICAL SPREADING RATE :

12,5 to 6,3 Sq.m/L at 40 to 80 dry microns

RECOMMENDED FILM THICKNESS PER COAT :

Dry : 40 to 80 microns

Wet : 80 to 160 microns

DRY TIME

(at 20°C - 50 to 60 % HR at 20 dry microns) :

dustfree: 1 hour

to handle: 4 hours

DRY TIME TO RECOAT

(at 20°C - 40 to 60 % HR at 20 dry microns) :

Minimum : 10 to 15 hours

Maximum : 3 months

MAXIMUM TEMPERATURE RESISTANCE: 100°C

SURFACE PREPARATION

All surfaces must be free of oil, grease salt and moisture before abrasive blasting to near white metal equivalent to Steel Structures Painting Council SP10 or Swedish Standard Sa 2- 1/2. The minimum steel profile after blasting should be 14 microns deep and of a jagged nature. Surfaces must be free of grit dust.

On surfaces that are already painted, for maintenance: after HP washing, eliminate rust and loose old paints by scraping, brushing or abrasive stripping then retouch the surfaces laid bare.

EPOXY PRIMER EP 211 is compatible with systems : EP 213HB , EP 215 HB, EP 535 HB, EPOXYGUARD 455, Epoxy fillers, Sprayable Filler 500/700, EPU 221, PU 228 and finishing PU 77, PU 99 and TOPCOAT COLOR 320.

For all other types of coatings, consult our technical department.

MIXING AND THINNING

Before mixing the components, mix carefully the base portion first to obtain a smooth, homogeneous condition. After mixing the base portion, add the hardener slowly with continued agitation. After the hardener is added, continue to mix slowly.

After 20 at 30 minutes of induction time, it's possible to dilute from 0 to 15 % of EP N°17 (depends on application conditions or method).

You must check the viscosity with cup DIN or AFNOR.

Spray gun application : check the viscosity every 2 hours. Don't forget to mix after every dilution.

APPLICATIONS

APPLICATION METHOD		THINNING	TIP SIZES	PRESSURE
BRUSH	YES	0 to 3%		
ROLLER	YES	0 to 3%		
SPRAY GUN	YES	5 to 15%	1,4 to 2,2	2 to 4 BARS
AIRLESS SPRAY	YES	0 o 5%	0,018 to 0,021 mm (30 o 60°)	100 to 200 BARS

CONDITIONS FOR APPLICATION :

Optimum : 20 to 25 °C for 50 to 70 % HR

Limit : 10 to 35°C for 30 to 80 % HR

The substrate temperature must be at least 3°C above the dew point to avoid any condensation – consult the conversion table.

VISCOSITY : 17s to 20s Cup AFNOR n°4

PRECAUTIONS AND SHELF LIFE

See the material safety data sheet and product label for complete safety and precaution requirements.

PACKAGING : KIT BOX of 1 Liter or 4 Liters (KIT 15 L in order 120 l minimum)

CLASS ONU : 1263

SHELF LIFE : 24 months in original unopened cans at + 10 and + 25 °C away from humidity - 12 months in tropical climate

FLASH POINT: Base and hardener : between 23°C and 55°C

LABEL : Base = Xi : Irritant N : Dangerous for the environment Hardener = Xn : Harmful F : Flammable



MAP YACHTING
Zone Athélie IV
296 av. de la Tramontane
13 705 LA CIOTAT Cedex

Tél : + 33 (0)4 42 98 14 50
Fax : + 33 (0)4 42 98 14 51
E-mail : sales@map-yachting.com
Web : www.map-yachting.com

We guarantee our products against hidden defaults over material and preparation. Our Responsibility is limited at the obligation of freely replacing the defective material without there being a claim for any compensation. The advice we give is based on our experience but they might not be absolutely right. Consequently this does not imply our responsibility in case of inefficiency. Even more our company can not be responsible for any material or corporal damages caused due to a misuse or mishandling of our products. All concession to these clauses, to be valid, must be an official document issued by our offices and signed by our direction.