

UNDERCOAT EP 213 HB

EPOXY POLYAMINOAMID PRIMER OR UNDERCOAT.
Can be applied with high thickness .

PRIMER
Two component

Edition December 07

FEATURES

UNDERCOAT EP 213 HB Can be applied with high thickness.

UNDERCOAT EP 213 HB insure an excellent protection and insulation of epoxy under and above the waterline.

Excellent chemical and physical properties.

Excellent resistance :

- to dry heat
- in immersion
- to solvents

Good spreading rate

Easy to sand

UNDERCOAT EP 213 HB can be applied in 2 crossed coats wet on wet..

RECOMMENDED USES

Bonding primer on :

- gelcoat polyester, vynilester, epoxy
- All composites

Application :

- 2 or 3 coats as sandable filler
- application on composite and filler insulation
- application on microporous gelcoats
- chemical reinforcement of primers
- good antifouling intercoat (if compatibility with epoxy)
- recoat by itself without sanding between coats

UNDERCOAT EP 213 HB is compatible with primer EPZ 210, EP 211, EP 140, systems EPOXYGUARD 455, filler MIX FILL , SPRAYABLE FILLER 500/700, systems EP 215 HB, EP 200 and accept systems PU 228, EPU 221, PU 77, PU 99 and TOPCOAT COLOR 320.

SPECIFICATION DATA

COATINGTYPE : Polyaminoamid undercoat

COLOR : White

GLOSS : Semi-gloss

COMPONENT : Two component

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COMPONENT RATIO :

- Weight : 100 Base / 12,35 Hardener
- Volume : 100 Base / 20 Hardener

INDUCTION TIME (à 20°C) : 15 minutes

POT LIFE (à 20°C) : 6 hours

THINNER : EP N° 17

DENSITY AT 23°C : app. 1,46

VOLUME SOLIDS : 57 %

VOC : 375,26 g/l

THEORETICAL SPREADING RATE :

5,7 Sq.m/L at 100 dry microns

RECOMMENDED FILM THICKNESS PER COAT:

Dry : 100 to 130 microns maxi

Wet : 170 to 230 microns

DRY TIME (at 20°C – 50 to 60 % HR) :

Dustfree: 1 hours

To handle : 4 hours

DRY TIME TO RECOAT (at 20°C – 50 to 60 % HR) :

Minimum : 12 hours

Maximum : 12 months

MAXIMUM TEMPERATURE RESISTANCE: 100°C

SURFACE PREPARATION

All surfaces must be free of grease, dust, water marks, moisture.

L'UNDERCOAT EP 213 HB must be applied on compatible primer

L'UNDERCOAT EP 213 HB is compatible with filler MIXFILL 100 and 300, primers EP 140, EPZ 210, EP 211, WI 120 and 455. Can receive EP 200 EP 215 HB, EP 560 EPU 221, EP 228 ,SF 500/700 and finishing PU 77, PU 99, and 320 S.

For all types of coating, contact our technical department.

MIXING AND THINNING

Before mixing 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 adding the hardener, continue to mix slowly.

After 30 minutes of induction time, it's possible to diluate from 0 to 20 % 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 8%		
ROLLER	YES	0 to 8%		
SPRAY GUN	YES	5 to 20%	1,5 to 2	2 to 4 BARS
AIRLESS SPRAY	YES	0 to 8%	0,5 to 0,6 mm (30 to 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

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

VISCOSITY : 16 s 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 4 Liters (kit 15 Liters in order)

CLASS ONU : 1263

SHELF LIFE : 12 months in original unopened cans at + 5 and + 35 °C away from humidity - 9 months in tropical climate

FLASH POINT : Base and Hardener = between 23°C and 55°C

LABEL : Base = Xi : Irritant Hardener = F : Highly Flammable Xi : Irritant



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

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