



INTERFACE EPU 221

FLEXIBLE TWO COMPONENT EPOXY-URETHANNE INTERCOAT. bonding and stabilizing intercoat before laquers. WHITE SEMI-GLOSS – tint itself with black dye

PRIMER
Two component

Edition December 07

FEATURES

INTERFACE EPU 221 is a flexible epoxy-urethane system with fast dry time and is easy to recoat, it can be applied with thin film (20 to 30 dry microns).

INTERFACE EPU 221:

- procures a film with very high thinness which can be recoated directly, without sanding previous to the lacquer, 1 hour after application at 20°C.
- stabilizes the intercoat and ensures an excellent bonding for lacquers on epoxy polyuretane filler.
- the quality of the film and semi-gloss aspects allow to see defaults before applying the lacquers.
- is not an anticorrosive product for metals..
- must not be applied directly on metals and alloys.

RECOMMENDED USES

INTERFACE EPU 221 can be applied :

- on epoxy and polyurethane filler and undercoat to continue the cycle.
- directly on gelcoats as primer (a thin film) for composite masts and spars, and for race boats.
- on old lacquer (two component) for refit.
- for spot finishing or undercoat before lacquers.

INTERFACE EPU 221, delivered in white, can easily be tinted with dye MP 934 (black) to obtain an adapted undercoat for different colors of lacquers.

This improves the spreading rate of lacquer and avoid white effect when there are accidental blows and stripes.

Depending on color types of lacquers we dye undercoat in the following way :

For YELLOW : RAL 7035 (light grey)

For RED : RAL 7047 (télégris 4)

For BLUE: RAL 7015 (gris ardoise)

SPECIFICATION DATA

COATING TYPE : Epoxy-urethane intercoat/primer

COLOR : white – Tinted with black dye MP 934

ASPECT : Semi-gloss

PRESENTATION : two component

COMPONENT RATIO :

- Weight : 100 Base / 42 Hardener
- Volume : 2 Base / 1 Hardener

INDUCTION TIME (at 23°C) : approx. 20 minutes

POT LIFE (at 23°C) : 8 hours

THINNER: EP N° 2

DENSITY AT 23°C: approx. 1,5

VOLUME SOLIDS : 32,5 %

VOC : 573 g/l

THEORETICAL SPREADING RATE :
16,3 Sq.m/L at 20 dry microns (not diluted)
(67g/m² wet to obtain 20 dry microns)

RECOMMENDED FILM THICKNESS PER COAT :

Dry : 20 to 30 microns
Wet: 60 to 90 microns

DRY TIME :

(at 23°C - 30 to 75 % HR at 20 dry microns) :
Dustfree: approx. 20 minutes
To handle : 2 hours (masking)

DRY TIME TO RECOAT :

(at 23°C - 30 to 75 % HR at 20 to 30 dry microns) :
Minimum : 1 hour
Maximum : 72 hours

MAXIMUM TEMPERATURE RESISTANCE: 100°C

SURFACE PREPARATION

After having sanded the surface (orbital grit 240, 320 ou 400 depends on colors of laquer) INTERFACE EPU 221 can be applied :

- directly on epoxy gelcoat, vinylester or polyester.
- for refit, on old lacquer (you should sand the surface to eliminate pollutions).
- on undercoat and epoxy finishing and on polyurethane filler before lacque application.

After epoxy or polyurethane filler, INTERFACE EPU 221 can be recoated without sanding if it's recoated after minimum 1 hour. (72 h maxi at 20°C) and free of pollution. After this, sanding is obligatory.

INTERFACE EPU 221 is compatible with primer AEROPRIM EPU 123, EP 140, EP 211, WI 120, undercoats EP 213 HB, EP 215 HB, PU 228 HB and can be recoated by itself and finished with PU 77, PU 99 and 320 S

For others types of recoat, please contact our technical department.

MIXING AND THINNING

Before mixing the components, mix carefully the base portion first to obtain a smooth, homogeneous condition during 5 minutes. After mixing the base portion, add the hardener slowly with continued agitation. After adding the hardener, continue to mix slowly.

After 20 minutes of induction time, it's possible to diluate untill 25 to 30 % of PU N°2 (depends on application condition 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.

Before application, you must filter the mix with filter of 80 microns.

APPLICATIONS

METHOD APPLICATINO		THINNER	TIP SYZES	PRESSURE
BRUSH	YES (spot finishing)	-		
ROLLER	YES (spot finishing)	-		
SPRAY GUN	YES	25 to 30%	1,4 to 1,8	3 to 4 BARS
AIRLESS SPRAY	YES	0 to 5%	0,011 to 0,013 mm	100 to 200 BARS

CONDITIONS FOR APPLICATION:

Optimum : 20 to 30 °C for 30 to 75 % HR

Limit : 15 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 available at Map Yachting.

VISCOSITY : 14 to 15 s cup AFNOR N°4 45 to 55s CA 2,5

PRECAUTIONS AND SHELF LIFE

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

PACKAGING: KIT 6 L = 4L Base + 2L Hardener

CLASS ONU : 1263

SHELF LIFE: 24 months in original unopened cans at + 10 and + 25 °C away from humidity – 7,5 months in tropical climate

FLASH POINT: Base and Hardener <21°C

LABEL : Base and Hardener = F : Highly Flammable

Xn : Harmful



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