

# WOOD IMPREG 120

EPOXY VARNISH  
Two component

Edition june 2010

**TWO COMPONENT HIGH GLOSS CLEAR EPOXY-POLYAMINOAMIDE.**

**Penetrating sealer for wood and composite. Protection coating.**

## FEATURES

**WOOD IMPREG 120** is an excellent protection and glossy aspect for wood, and carbon laminates. Ideal clear undercoat for exterior protection before Polyurethane Clear Topcoat TOPCOAT CLEAR PU 360 UVR for UV protection.

- Very easy recoatability without sanding up to 6 days.
- Very easy to apply.
- Low viscosity.
- Long pot life.
- Excellent flexibility.
- Excellent barrier coating for porous composites

## RECOMMENDED USES

Excellent on wood and carbon to obtain a perfect aspect and a very good and durable protection.

**WOOD IMPREG 120** can be recoated by UNDERCOAT EP 213, 215 HB, EPU 221, PU 228, and laquers PU 77, PU 99, TOPCOAT COLOR PU 320, and varnish VERNILUX PU 25, TOPCOAT CLEAR PU 360 UVR.

Not recommended for exterior if it's not recoated with 120 to 130 dry microns of VERNILUX PU 25 or TOPCOAT CLEAR PU 360 UVR.

Before application, it is recommended to store product for 24 hours at 20 to 25°C to facilitate the application.

For all other type of coating, consult our technical department.

## SPECIFICATION DATA

**COATING TYPE :** Epoxy varnish

**COLOR :** Slightly amber

**GLOSS :** Gloss

**COMPONENT :** Two component

**COMPONENT RATIO :**

- Weight : 100 Base / 46 Hardener
- Volume : 2 Base / 1 Hardener

**INDUCTION TIME (at 20°C) :** 20 minutes  
not induction time with EP N°703.

**POT LIFE (at 20°C) :** 6 hours without thinning

**THINNER :** EP N°3 or EP N°703

**DENSITY at 23°C :** 0,97% approx.

**VOLUME SOLIDS :** 44,6%

**VOC :** 466,66g/l

**THEORETICAL SPREADING RATE :**

5 Sq.m/L at 80 dry microns – 3.3 Sq.m/L at 120 dry microns

**RECOMMENDED FILM THICKNESS PER COAT :**

Dry : 80 to 120 µmicrons

Wet : 200 to 300 µmicrons

**DRY TIME :**

(at 20°C – 40 to 60 % HR at 80/100 dry microns) :

Dust free: 4 h  
1h30 with thinning EP N°703

To handle: 9 h  
3 h with thinning EP N°703

Sandable : 24 h  
12 h with thinning EP N°703

**DRY TIME TO RECOAT :**

(at 20°C – 40 to 60 % HR at 80 dry microns) :

Minimum: 24 h  
6 h with thinning EP N°703

Maximum: 6 days  
2 days with thinning EP N°703

**MAXIMUM TEMPERATURE RESISTANCE :** 100°C

## SURFACE PREPARATION

The substrate temperature must be at least 3°C above the dew point to avoid any condensation. Use dehydrated air, free of oil pollution. The supports will have to be clean, dry and free from stains and moisture.

**WOOD IMPREG 120** must be applied directly on dry wood (less than 12 % hygrometry).

**WOOD IMPREG 120** compatible with systems EP 200, 211, 213, 215, EPU 221, PU 228, SF 500/700, finishing laquers PU 77, PU 99, 320 and varnish VERNILUX PU 25 and 360 UVR

For all other types of recoating, contact 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 adding the hardener, continue to mix slowly.

Before application, it is recommended to store product for 24 hours at 20 to 25°C to facilitate the application.

After 20 minutes of induction time, it's possible to dilute from 0 to 25 % of EP N°3 or 0 to 15 % with N°703 (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		THINNER	TIP SIZES	PRESSURE
BRUSH	YES	0 to 10%		
ROLLER	Short hair, medium hair	0 to 10%		
SPRAY GUN	YES	5 to 20%	1,3 to 1,8	2 to 4 BARS
AIRLESS SPRAY	YES	0 to 5%	0,011 to 0,013 mm (30 to 60°)	100 to 200 BARS

### CONDITIONS FOR APPLICATION :

Optimum : 20 to 25 °C for 50 to 70 % 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** : 16 s to 20 s Coupe AFNOR n°4

## PRECAUTIONS AND SHELF LIFE

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

**PACKAGING** : KIT of 3 or 6 Liters

**CLASS ONU** : 1992

**SHELF LIFE** : 24 months in original unopened cans at + 10 and + 25 °C away from humidity - 9 months in tropical climate

**FLASH POINT**: Base, standard hardener and fast hardener : between 23°C and 55°C

**LABEL** : Base and hardeners : Xn = Harmful



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