



# VERNILUX PU 25

**VITRIFYING ACRYLIC-URETHANE TWO COMPONENT  
VARNISH. CLEAR AND GLOSS**  
High resistance to UV

**VARNISH**  
Two component

Edition December 07

## FEATURES

VERNILUX PU 25 is an acrylic-polyurethane two component varnish with high resistance to UV.

VERNILUX PU 25 ensure a high protection of :

- lacquer PU 77 or PU 99,
- wood, previously recoated by WOOD IMPREG 120,
- light metals

Excellente resistance against :

- chemical products, (contact our technical department)
- bad weather in marin environments
- abrasion

Excellent bonding for light metals:

- copper,
- brass,
- aluminium.

Very easy to apply with :

- brush or roller
- spray gun
- Ailess or Airmixte

## RECOMMENDED USES

VERNILUX PU 25 can be used for :

- varnish PU 77 and PU 99 lacquers
- exterior finishing on epoxy varnish WOOD IMPREG 120
- on carbon previously recoated by GLASS ONE or SURF CLEAR
- treatment interior and exterior woodworks and furnitures
- vitrifying of parquet floor
- décoration and protection of wood spars

## SPECIFICATION DATA

**COATINGTYPE** : Varnish

**COLOR** : Clear

**GLOSS** : Gloss

**COMPONENT** : Two component

o

**COMPONENT RATIO** :

- Weight : 100 Base / 15 Hardener
- Volume : 100 Base / 12,4 Hardener

**INDUCTION TIME** (at 23°C) : 10 to 30 minutes

**POT LIFE** (at 23°C) : 8 hours

**THINNER** : PU N° 07-09 spray or brush, compatible with thinner PU N° 2 – N° 4 Spray summer or Brush winter, brush extra slow for brush applications during summer, ACCELERATOR N° 702 - JOINT N° D 212

**DENSITY AT 23°C** : 0,95 +/-0,05 g/cm<sup>3</sup>

**VOLUME SOLIDS** : 39%

**VOC** : 540,89 g/l

**THEORETICAL SPREADING RATE** :

9,7 Sq.m/L for 40 dry microns

**RECOMMENDED FILM THICKNESS PER COAT:**

Dry : 40 microns

Wet : 100 microns

**ÉPAISSEUR TOTALE RECOMMANDÉE :**

80 to 100 dry microns (2 or 3 coats wet on wet)

**DRY TIME** :

(at 20°C - normal humidity) :

Dustfree: 1 hour

To handle : 15 hours

Polymerization : 7 days

**DRY TIME TO RECOAT**

(at 20°C - normal humidity) :

Minimum : 24 hours

Maximum : 6 days

**MAXIMUM TEMPERATURE RESISTANCE** : 100°C

## SURFACE PREPARATION

All surfaces to be coated must be free of grease, dust, dry spray, moisture and other foreign matter and be properly primed with a compatible epoxy primer. To ensure the best appearance, the primer or undercoat should be smooth end free of any surface defects such as runs, dry spray or heavy orange peel.

To obtain a very good quality of varnish VERNILUX PU 25 should be applied on lacquer ACRYLTOP PU 77 or POLYTOP PU 99. VERNILUX PU 25 can be applied directly without sanding, if lacquer has been well applied and if this operation has been effectuated within 24 hours at 23°C.

VERNILUX PU 25 can be applied on epoxy varnish WOOD IMPREG 120 or on epoxy system GLASS ONE or SURF CLEAR, beforehand sanding with grit 320/400 and remove the dust.

VERNILUX PU 25 can be applied directly on light metals after fine sanding and degreasing of surface. Metallic surfaces must not present traces of phosphatization, pollution or corrosion.

For all other types of coating, 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 the hardener has been added, continue to mix slowly.

After 10 minutes of induction time, it's possible to diluate 0 to 15 % of PU 07-09 or PU N° 2 and/or N° 4 summer – see FT thinner N° 41 (depends on application conditions or method).

You can use booster thinner N° 703 for application in difficult conditions. Joint thinner D 212 for joints and for drowning the mat aspect, overspray on wet film or for reparations and spot finishing on dry film.

Brush version : for brush application, After 5 minutes of induction time, it's possible to diluate 10 to 40 % of PU 07-09 or PU N° 4 or Brush extra slow in summer – see FT thinner N° 41 (depends on application conditions or method).

You must check the viscosity with cup DIN or AFNOR

You must check the viscosity every 2 hours. Don't forget to mix after every dilution.

The used air must be filtered for oil and humidity.

## APPLICATIONS

| APPLICATION METHOD |     | THINNING | TIP SIZES                | PRESSURE        |
|--------------------|-----|----------|--------------------------|-----------------|
| BRUSH              | YES | 0 to 5%  |                          |                 |
| ROLLER             | YES | 0 to 5%  |                          |                 |
| SPRAY GUN          | YES | 5 to 15% | 1,1 to 1,8               | 3 to 4 BARS     |
| AIRLESS SPRAY      | YES | 0 to 5%  | 0,28 to 0,33 mm 30 à 60° | 100 to 200 BARS |

### CONDITIONS FOR APPLICATION :

Optimum : 15 to 30 °C for 40 to 70 % HR

Limit : 30°C for 30 to 80 % HR

o

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** : 16s to 17 s 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 DE 1 or 4 Liters

**CLASS ONU** : 1263

**SHELF LIFE** : **Base** : 48 months **hardener** : 24 months in original unopened cans at + 10 and + 25 °C away from humidity

**Base** : 24 months **hardener** : 12 months in tropical climate

**FLASH POINT**: Base : >21°C. Hardener : <21°C

**LABEL** : Base = F : Highly Flammable Xn : Harmful Hardener = F : Highly Flammable Xi : Irritant



**MAP YACHTING**  
Zone Athélia 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.