



POLYTOP PU 99

POLYURETHANE POLYESTER HIGH VOLUME SOLIDS LACQUER «HIGH BRIGHTNESS» and «HIGH RESISTANCE»
for above the waterline, superstructures and pleasure

LACQUER
Two component

Edition December 07

FEATURES

POLYTOP PU 99 is a high volume solids lacquer formulated with polyester resin and thinner of new generation.

POLYTOP PU 99 ensure:

- excellent retention of brightness
- good resistance for abrasion and scratch
- a hardness of feuil
- good value for money
- easy to apply in hard atmospheric conditions
- fast drying time
- facility for spot finishing and joint coat.
- an important variety of colors made according to the demand (RAL and AFNOR color card)
- important spreading rate
- excellent resistance to UV
- easy to recoat for refit
- fuel resistant

RECOMMENDED USES

POLYTOP PU 99 is destined to protect or decorate all the parts above the waterline:

- above the waterline
- superstructures
- deck
- spars
- engine rooms
- equipments
- interior lacquer
- industrial materials such as power generating units, cold groups etc...

SPECIFICATION DATA

COATING TYPE : polyester-urethane Lacquer

COLOR : Depends on RAL or AFNOR colors

GLOSS : Gloss

COMPONENT : Two component

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COMPONENT RATIO :

- Weight : 100 Base / 16,9 Hardener
- Volume : 100 Base / 20,9 Hardener

INDUCTION TIME (at 20°C) : None

POT LIFE (at 20°C) : 6 hours

THINNER : PU N° 02 – PU N° 4 – PU 07-09 –
ACCELERATOR N° 702 - JOINT N° D 212

DENSITY AT 20°C : 1.35

VOLUME SOLIDS : 52.5 % approx.

VOC : 417,88 to 501,31 g/l depending on colors

THEORETICAL SPREADING RATE :

13,1 Sq.m/L for 40 dry microns

COMSUPTION : depends on colors and dilution

RECOMMENDED FILM THICKNESS PER COAT :

Dry : 40 microns

Wet : 80 microns

RECOMMENDED FILM THICKNESS TOTAL:

80 to 90 dry microns (2 crossed coat wet on wet)

DRY TIME :

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

Dustfree: 45 minutes

To handle: 3 hours

DRY TIME TO RECOAT :

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

Minimum : 24 hours

Maximum : sanding after 24 hours

MAXIMUM TEMPERATURE RESISTANCE: 100°C

SURFACE PREPARATION

All surfaces to be coated must be free of grease, dust, dry spray, moisture.

Degrease the surface with cleaning solvent or alcohol

POLYTOP PU 99 can be applied on primer AEROPRIM EP 140, EP 211, on epoxy intercoats like UNDERCOAT EP 213 or 215 HB systems previously sanded with grit 320/40. It can also be applied directly without sanding on systems PORE FILLER PU 228 HB or INTERFACE EPU 221 and AEROPRIM EPU 123.

POLYTOP PU 99 is compatible with varnishes VERNILUX PU 25 and TOPCOAT CLEAR 360 UVR.

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.

It's possible to dilute from 0 to 20 % of PU N°07-09 depending on application conditions or method. It's also possible to dilute from 0 to 40 % of PU N°2 during winter.

In summer, it's possible to dilute from 0 to 40 % with a mix 50/50 of PU N°2 and 4.

You can use Thinner booster N°702 when the application conditions are difficult (between 5 to 10°C)

You can use Joint thinner D 212 for spot finishing.

You must check the viscosity.

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

APPLICATIONS

APPLICATION METHOD		DILUTION	BUSES	PRESSION
BRUSH	YES	0 to 30%		
ROLLER	YES	0 to 30%		
SPRAY GUN	YES	5 to 40%	1,2 to 1,8	2 to 3 Bars
AIRLESS SPRAY	YES	0 to 10%	0.018 to 0.021 Angle 60 to 80° - 45/1	100 to 200 Bars

CONDITIONS FOR APPLICATION :

Optimum : 20 to 25°C 50 to 70% HR

Limit : 5 to 30°C for < 85 % 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 : 20 to 25s Cup CA 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 5 Liters

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 = F : Flammable Hardener = F : Flammable Xi : Irritant



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