

ACRYLTOP PU 77

FINISHING GLOSS LACQUER ACRYLIC URETHANE.
For all type of protection exterior and interior

LACQUER
Two component

Edition December 07

FEATURES

ACRYLTOP PU 77 Two component polyurethane lacquer, high build, high spreading rate. High color retention.

ACRYLTOP PU 77 ensure :

- a very good protection
- finishing quality.
- resistance to U.V.,
- high color retention

ACRYLTOP PU 77 resists :

- in aggressive environmental conditions,
- in urban environment; industrial and maritime.

ACRYLTOP PU 77 easy to apply with :

- brush,
- roller,
- airless,
- spray gun.

RECOMMENDED USES

ACRYLTOP PU 77 allows to ensure a quality of finishing for :

- pleasure boat hulls,
- spars,
- boarding,
- silos,
- storage tanks exterior, containers,
- metallic structures for chemical and nuclear industries

Can also be used on tanks interiors which can store dry food.

ACRYLTOP PU 77 is compatible with : EPOXY PRIMER EP 211, UNDERCOAT EP 213, 215 HB, PORE FILLER 228 HB, PRIMAIRE UNIVERSEL GP 46 (diluted correctly) as well as varnishes VERNILUX PU 25 and TOPCOAT CLEAR 360 UVR.

CERTIFICATES

LROP Trappes qualification trials:

Test report n° 34-447-1 and 33-551-1

Qualified by ACQPA under:

C3A NV/MV 450 - C4A NV/MV 451

C3A NV 647 - C4A NV 645

C3A NV/MV 658 - C4A NV/MV 659

C4A NV 660 - C3A NV/MV 537

C4G NV 838

SPECIFICATION DATA

COATING TYPE : Lacquer acrylic urethane

COLOR : depends on RAL or AFNOR colors

GLOSS : Gloss

COMPONENT : two component

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COMPONENT RATIO GLOSS :

- Volume : 100 Base / 15 Hardener
- Weight : 100 Base / 14 Hardener

COMPONENT RATIO SEMI-GLOSS :

- Volume : 100 Base / 11 Hardener
- Weight : 100 Base / 10 Hardener

INDUCTION TIME :

- at 10°C : 10 to 15 minutes
- at 20°C : None

POT LIFE (at 20°C) : 6 hours

- at 10°C : 4 hours
- at 20°C : 6 hours

THINNER : PU N° 07-09

DENSITY AT 20°C : 1,23 approx. for white color

VOLUME SOLIDS : 53 %

VOC : 435,48 à 503,18 g/l varies depending on the colors

THEORETICAL SPREADING RATE :

13 Sq.m/L for 40 dry microns

RECOMMENDED FILM THICKNESS PER COAT :

Dry : 80 microns (2 crossed coat wet on wet)

Wet : 80 microns per coat

DRY TIME :

- at 10°C - 50 to 60 % HR :

Dust free: 2 to 3 hours

To handle : 6 hours

- at 20°C - 50 to 60 % HR :

Dust free: 2 to 6 hours

To handle: 12 hours

DRY TIME TO RECOAT :

- at 10°C - 50 to 60 % HR :

Minimum : 24 hours

Maximum : 12 months (if more, HP washing)

- at 20°C - 50 to 60 % HR :

Minimum : 10 to 12 hours

Maximum : 12 months (if more, HP washing)

SURFACE PREPARATION

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

L'ACRYLTOP PU 77 is compatible with all systems like EPOXY PRIMER EP 211, EPU 123, EP 140, the intercoats UNDERCOAT EP 213, 215 HB, EPU 221, with filler PU 228 HB, PRIMAIRE UNIVERSEL GP 46 (correctly diluted) and can be recoated with varnishes VERNILUX PU 25 and TOPCOAT CLEAR 360 UVR.

For all other types of coating, contact our technical department.

MIXING AND THINNING

Before mixing the components, mix gently 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 10 to 60 minutes of induction time, it's possible to dilute from 0 to 20 % of PU N°07-09 (depends on application conditions or method).

It's possible to use thinner ACCELERATOR D702 (5% maxi) in bad wheater (between 10 to 12°C)

For joints you can use Thinner JOINT D 702

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		THINNING	TIP SIZES	PRESSURE
BRUSH	YES	0 to 10%		
ROLLER	YES	0 to 10%		
SPRAY GUN	YES	5 to 20%	1,3 to 1,5	3 to 4 BARS
AIRLESS SPRAY 45/1	YES	2 to 5%	507 to 511	150 BARS

CONDITIONS FOR APPLICATION :

Optimum : 20 to 25 °C for 50 to 70 % HR

Limit : 10 to 35°C for 30 to 85 % HR

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

VISCOSITY : 16s to 22 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 of 1L, 4L or 15 Liters (90 L by orders)

CLASS ONU : 1263

SHELF LIFE : 24 months in original unopened cans at + 5 and + 35 °C away from humidity - 12 months in tropical climate

FLASH POINT : Base and hardener : Between 23°C and 55°C

LABEL: Base = Xn : Harmful F : Flammable Hardener = F : 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

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