



TECHNICAL DATA SHEET



TOPCOAT COLOR FLUO

FLUORESCENT ACRYLIC POLYURETHANE LACQUER
FOR BEACONAGE MARKUP OR DECORATION

Colors : ORANGE, RED, YELLOW

RESISTANCE TO U.V.- « flexible » Class

LACQUER
Two component

Edition June 2010

FEATURES

The new generation of lacquer **TOPCOAT COLOR FLUO** has been specially formulated to :

- keep an exceptional flexibility (30 to 60% of flexibility)
- ensure an excellent resistance to U.V, (uvB-high altitude), indispensable characteristic in order to ensure a perfect quality of retention of colours in airspace and yachting fields.

TOPCOAT COLOR FLUO offer

- an exceptional pigment resistance
- fast drying time and easy recoating
- a perfect film for varnishes
- easy to apply with AIRLESS, Spray gun or electrostatic
- high resistance to physical and chemical aggressivity as hydraulic oil (Type SKYDROL) or KEROSENE.

RECOMMENDED USES

TOPCOAT COLOR FLUO is particularly recommended for very high quality of finishing for protection and decoration of :

- Beaconage, yachts, industry, security, emergency zones markup
- Automobile
- All types of decoration

TOPCOAT COLOR FLUO must be inevitably recoated by varnish **TOPCOAT CLEAR 360 UVR**.

Film thickness : minimum 100 dry microns

CERTIFICATES :

Airspace NT 10113 and 10012
AIRBUS TNA 10028
BMS 10-60 H
MIL C 83286

SPECIFICATION DATA

COATING TYPE : flexible polyurethane topcoat

COLOR : Orange, Red, Yellow FLUO

GLOSS : Very high Brightness.

COMPONENT : two component

COMPONENT RATIO :

- Weight : 100 base / 45 Hardener
- Volume : 2 Base / 1 Hardener

INDUCTION TIME (at 23°C) : None

POT LIFE (at 23°C) : 3 hours

THINNER : PU N°02

DENSITY AT 23°C : 0,96 approx.

VOLUME SOLIDS : 40%

VOC : red: 521,66 g/l - orange : 488,33 g/l
yellow: 545,33 g/l

THEORETICAL SPREADING RATE :
5 Sq.m/L for 80 dry microns

RECOMMENDED FILM THICKNESS PER COAT :
Dry : 40 to 50 microns - Wet : 50 to 75 microns

RECOMMENDED FILM THICKNESS TOTAL :
Dry : 80 to 100 microns (2 to 3 crossed coats)

DRY TIME :
(at 23°C - 40 to 60 % HR for 80 dry microns) :
Dustfree : 20 minutes
To handle : 2 hours

DRY TIME TO RECOAT :
(at 23°C - 40 to 60 % HR for 80 dry microns) :
Maximum : 24 hours
Minimum : 4 hours

MAXIMUM TEMPERATURE RESISTANCE: 100°C

SURFACE PREPARATION

All surfaces 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 and free of any surface defects such as runs, dry spray or heavy orange peel.

To obtain a perfect quality of finish, **TOPCOAT COLOR FLUO** should be applied on undercoats UNDERCOAT EP 215 HB or PORE FILLER PU 228 HB, previously sanded, or directly, with or without sanding, on INTERFACE EPU 221. PORE FILLER PU 228 HB is used as wood filler, and allows to obtain a perfect surface, after sanding with very fine grit, without porosity. These are essential conditions to obtain a perfect finishing.

MIXING AND THINNING

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

It's possible to diluate from 0 to 5 % of PU N² dep ending 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		THINNING	TIP SIZES	PRESSURE
BRUSH	NO			
ROLLER	NO			
SPRAY GUN	YES	0 to 5%	1,4 to 1,8	2 to 5 BARS
AIRLESS SPRAY	YES	0 to 5%	0,011 to 0,013 mm	100 to 200 BARS

CONDITIONS FOR APPLICATION :

Optimum : 20 to 25 °C for 40 to 70 % HR

Limit : 15 to 35°C for 30 to 70 % 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 : 25 s to 30 s Cup AFNOR n⁴

PRECAUTIONS AND SHELF LIFE

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

PACKAGING : KIT 1,5 Liters = base : 1L + hardener : 0,5 L

CLASS ONU : 1263

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

Base : 12 months hardener : 9 months in tropical climate

FLASH POINT: Base et hardener : between 23°C and 55°C

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



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