

AEROXYGLASS 560

EPOXY FINISHING
Two component

Edition December 07

**TWO COMPONENT POLYAMINOAMID EPOXY SYSTEM.
HIGH BUILD FINISHING - GLOSS.
COLOR: WHITE OR GREY ON SPECIAL ORDER - RAL 7035**

FEATURES

AEROXYGLASS 560 is a polyaminoamide epoxy finishing coat, for the protection of under waterline, and interior structures.

AEROXYGLASS 560 ensures an excellent chemical resistance:

- to abrasions
- when immersed in fresh water and sea water
- to greases and the majority of solvents
- to holds

AEROXYGLASS 560 can be applied in one or several crossed coats at 160 to 240 wet microns to obtain 80 to 120 dry microns.

The drying time authorizes to apply 450 wet microns every 4 hours at 20°C between each coat during the day.

Interior use.

Attention: epoxy has tendency to chalk on exteriors and can turn yellow.

Can be tinted with black dye MP 934.

RECOMMENDED USES

L'AEROXYGLASS 560 is recommended for:

- finishing for under the waterline for boats without antifouling (drifters, race boats, etc)
- finishing for steel and aluminium structures, or alloys correctly primed by anticorrosive systems
- generators, engines, etc
- finishing of holds, engine rooms, interiors,
- finishing on boat interiors of composites

L'AEROXYGLASS 560 is compatible with:

- epoxy primer EP 211, AEROPRIM EP 140, WOOD IMPREG 120,
- undercoats UNDERCOAT EP 213, 215 HB.

Can be recoated by filler PORE FILLER EPU 228 HB and finishing ACRYLTOP PU 77, POLYTOP PU 99, TOPCOAT PU 320, and varnish 360 UVR

SPECIFICATION DATA

COATING TYPE : Finishing polyaminoamid epoxy

COLOR : White, light grey or black. Can be tinted with black dye MP 934

GLOSS : Gloss

COMPONENT : Two component

COMPONENT RATIO :

- For white color - weight : 100 base / 25 Hardener
- Volume : 2 Base / 1 Hardener
for black color - weight : 100 base / 30 Hardener
- Volume : 3 Base / 1 Hardener

INDUCTION TIME (at 20°C) : 20 minutes

POT LIFE (at 20°C) : 8 hours standard hardener
6 hours fast hardener

THINNER : EP N° 3

DENSITY AT 23°C : 1,39 approx.

VOLUME SOLIDS : 52%

VOC : white: 423,33 g/l - black: 465,5 g/l

THEORETICAL SPREADING RATE :

- 6,1 Sq.m/L at 80 dry microns (white)
4,6 Sq.m/L at 80 dry microns (noir)

RECOMMENDED FILM THICKNESS PER COAT :

- Dry : 80 to 120 microns
Wet : 160 to 240 microns

DRY TIME :

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

- Dust free: 1 h with standard hardener
30 minutes with fast hardener
To handle: 4 h with standard hardener
3 h with fast hardener

DRY TIME TO RECOAT (at 20°C - 40 to 60 % HR) :

- Minimum: 16 h with standard hardener
4 h with fast hardener
Maximum: 7 days with standard hardener
72 h with fast hardener

MAXIMUM TEMPERATURE RESISTANCE : 100°C

SURFACE PREPARATION

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

L'AEROXYGLASS 560 can be applied directly on composites previously sanded, or on primed metals.

L'AEROXYGLASS 560 :

- can be applied on primer EP 211, AEROPRIM EP 140, WOOD IMPREG 120, undercoat UNDERCOAT EP 213 HB, EP 215 HB.
- can be recoated by filler PORE FILLER EPU 228 HB and finishing ACRYLTOP PU 77, POLYTOP PU 99, TOPCOAT PU 320 and varnish 360 UVR, after orbital sanding with grit 180/240.

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 adding the hardener, continue to mix slowly.

After 20 minutes of induction time, it's possible to dilute from 0 to 30 % of EP N°3 (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		THINNING	TIP SIZES	PRESSURE
BRUSH	YES	5 to 10%		
ROLLER LACQUER	YES	5 to 10%		
SPRAY GUN	YES	15 to 30%	1,5 to 1,8	3 to 4 BARS
AIRLESS SPRAY	YES	0 to 10%	0,015 to 0,021 mm	100 to 200 BARS

CONDITIONS FOR APPLICATION :

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

Limit : 15 to 30°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 : 25 s to 60 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 3 or 5 Liters White and Kit 4 Liters Black

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 : <= 21°C Hardener standard and Fast : between 23°C and 55°C

LABEL : Base = F : Highly Flammable Hardener = Xi : Irritant



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