

AQUA EXTERIOR LASUR ULTRAN AEL-505

No. TD : A-002
Revision : 00
Effective Date : 25/02/2016

ULTRAN AEL-505 is a high performance lasur based on Acrylic emulsion and high quality transparent iron oxide (for colored system). It is designed to provide excellent flow, easy in application, good adhesion on substrate, good permeability, weather resistant. This product is ideal for protection and decoration of exterior housing component. It shows transparent and solid colors.

PRODUCT SPECIFICATION

Type : Acrylic emulsion

ULTRAN AEL-505	Appearance	Gloss Level (%)	Solid Content (NV, w/w)	Viscosity (Din 4, 30°C)	Specific Gravity
COLORS	Colored liquid	30 - 40	25 ± 2 %	25 ± 2 sec	1.01 ± 0.02 g/cc
CLEAR GLOSS	Milky	80 - 90	35 ± 2 %	13 ± 2 sec (Din 6)	1.02 ± 0.02 g/cc
CLEAR DOF	Milky	15 - 25	26 ± 2 %	45 ± 5 sec	1.02 ± 0.02 g/cc

Color : Crysant Yellow, Sunset Red, Akasia, Dark Brown, Twilight Teak
Flash Point : N/A
Packing : 1 lt. in steel can

APPLICATION

Application condition : 25 - 35°C, 60 - 80%RH
Application method : Brush
Substrate : Wood
Thinner : Water
Thinning ratio by volume : Water is used if necessary
Application viscosity (Din cup 4, 30°C) : N/A
Pot life of mixture : N/A
Coating Amount (wet) : 60 - 70 g/m² of mixture per coat by brush
Theoretical coverage : 15 - 20 m²/lt.

FILM PROPERTIES

Drying time

- Dust Free (200μ on glass) : 30 - 60 minutes
- Tack Free (200μ on glass) : 120 - 180 minutes

Recoating time : wet on dry = after 3 - 4 hours
Adhesion on Kamper : GT = 0 – 1
Resistance to :

- Water : Good
- Weather : Good
- QUV 500 hours : Good
- Yellowing : Fair
- Blocking 2 Psi : N/A
- Hot and Cold Check : Good
- Abrasion : Good (after 1 week)

Shelf life : Two years if stored in cool and dry condition in original sealed can
Storage and handling : Store in good ventilation room temperature and mix before use

SURFACE PREPARATION

- ⇒ The surface must be clean, dry, and free from oil.
- ⇒ Remove oil, grease, or dirt with solvent or appropriate method (wire brush, steel wool, or sand paper no. 120 - 150 for Oak wood, no. 150 - 180 for Rubber and Ramin wood, and no. 180 followed by 240 for Cherry wood).

APPLICATION INFORMATION

- ⇒ Mix one part of **ULTRAN AEL-505** before use.
- ⇒ Brush even coat of **ULTRAN AEL-505** at coating amount 60 - 70 g/m².
- ⇒ Sand the surface with sandpaper no. 280 or 400 after drying 3 - 4 hours.
- ⇒ Apply another even coat of **ULTRAN AEL-505**
- ⇒ Good ventilation in working area is suggested.

RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	PRODUCT	REC. COATING
1.	Base coat	ULTRAN AEL-505	1 x (wet brush)
2.	Top coat	ULTRAN AEL-505	2 x (wet brush)

SAFETY PRECAUTION

This product is non toxic. It does not contain any material with mercury or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as goggles, dust masks, and gloves. Use barrier cream.

This product is non flammable.

FIRST AID:

- ⇒ Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice
- ⇒ Skin contact : Wash with soap and water. If irritation occurs, seek medical advice
- ⇒ Ingestion : Provide symptomatic treatment and seek medical advice
- ⇒ Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration