

EXTERIOR LASUR ULTRAN EL-501

No. TD : E-001
Revision : 07
Effective Date : 18/11/2019

EXTERIOR LASUR ULTRAN EL-501 is a high performance lasur based on flexible alkyd resin, formulated with extra Ultrafine Pigment as UV absorber and reinforced with anti fungus agents. It provides excellent resistance to rain, UV radiation from the sun, and fungus, easy to apply, good penetration, and flow properties. This product can be applied as a base coat and finish coat for protecting the house parts made from wood against rain and UV radiation. This product is available in transparent color, opaque color, and natural color.

PRODUCT SPECIFICATION

Type	: Flexible alkyd resin
Appearance	: Color liquid (for color system), milky (for natural system)
Color	
▪ Transparent color	: Roasted Red, Chrysant Yellow, Sunset Yellow, Cherry Red, Classic Teak, Dusty Brown, Chocolate, Caramel.
▪ Opaque color	: Maize, Tropical Teak, Walnut, Red Wood, Padouk
▪ Natural color	: Natural Gloss, Natural Dof
Gloss level	: 60 ± 5 % (Color), 17 ± 3 % (Dof), 85 ± 5 % (Gloss)
Solid content by weight	: 33 ± 5%
Viscosity (Din cup 4, 30°C)	: 14 ± 2 sec
Specific Gravity	: 0.90 ± 0.02 g/cc
Flash Point	: 38°C
Packing	: 1 lt. in steel can
VOC (g/lt)	: 600

Heavy Metals	Result
-Soluble Lead (Pb)	< 5 mg/kg
-Soluble Cadmium (Cd)	< 5 mg/kg
-Soluble Chromium (Cr)	< 10 mg/kg
-Soluble Mercury (Hg)	< 10 mg/kg

Formaldehyde : not detected

APPLICATION

Application condition	: 25 - 35°C, 60 - 80%RH
Application method	: Brush or air spray
Substrate	: Kamper or other wood
Thinner	: Thinner Lasur
Thinning ratio by volume	: Thinner is used if necessary
Application viscosity	: 14 ± 2 sec Din 4 by brush or spray
Pot life of mixture	: N/A
Coating Amount (wet)	: 60 - 70 g/m ² of mixture per coat
Theoretical coverage	: 15 m ² /ltr at ca 60 g/m ²

FILM PROPERTIES

Drying time (at 30°C, RH = ± 80%)

- Dust Free : 20 - 25 minutes
- Tack Free : 180 - 240 minutes

Recoating time : wet on dry = after 6 - 8 hours

Adhesion on Wood substrate : GT = 0 - 1

Resistance to

- | | | | |
|--------------------------------|--------|----------------------|--------|
| ▪ Water | : Good | ▪ QUV 500 hours | : Good |
| ▪ Ethyl Acetate: Butyl Acetate | : Bad | ▪ Yellowing | : Fair |
| ▪ Acetone | : Bad | ▪ Blocking 2 Psi | : N/A |
| ▪ Alcohol | : Bad | ▪ Hot and Cold Check | : N/A |
| ▪ Weather | : Good | ▪ Abrasion | : N/A |

OTHERS

Shelf life : Three years if stored in cool and dry condition in original sealed can

Storage and handling : Store in good ventilation room temperature

SURFACE PREPARATION

1. The surface must be clean, dry, and free from oil.
2. 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

1. Mix well the **EXTERIOR LASUR ULTRAN EL-501** before use it.
2. Apply even coat of **EXTERIOR LASUR ULTRAN EL-501** by spray or brush at coating amount 60 - 70 g/m².
3. Sand the surface lightly with sandpaper no. 400 after dry 6 - 8 hours.
4. Apply another even coat of **EXTERIOR LASUR ULTRAN EL-501**.

RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	PRODUCT	REC. COAT
1	Base Coat	EXTERIOR LASUR ULTRAN EL-501	2 x
2	Top Coat	EXTERIOR LASUR ULTRAN EL-501	1 x

SAFETY PRECAUTION

This product does not contain formaldehyde. Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks, and solvent resistance gloves. Use barrier cream.

This product is flammable. Do not smoke. Use only explosion proof equipment. Do not breath the vapour of spray. Avoid contact with strong oxidizing agents and water.

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

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