

Technical Data Sheet

04 February 2008

Urethane Oil

KULAC LSU 24W/60

Kulac LSU 24W/60 is a Urethanated Oil, at 60% solids in white spirits, specifically formulated for use in quality architectural coatings. **Kulac LSU 24W/60** exhibits excellent hardness, moisture resistance and durability.

Application Areas

Kulac LSU 24W/60 is generally used in the following decorative finishes:

- Varnishes and enamels for wooden flooring, mouldings, furniture and doors.
- Enamels for concrete flooring (e.g. show room and factory floors).
- Plaster primers
- Wall coatings for damp and high traffic areas such as bathrooms and kitchens.
- Metal primers with good salt spray resistance.
- **Kulac LSU 24W/60** is not recommended for exterior applications subjected to direct sunlight.

Physical Characteristics

Parameter	Units	Limits	Parameter	Units	Limits
Non-Volatile Content	%	60 ± 2	Oil Length ¹	%	± 65
Acid Value (on solids)	mg KOH/g	3 Max.	Oil Type ¹	Nil	Soya
Viscosity (25°C)	Gardner	Z ₁ – Z ₃	Viscosity (25°C) ¹	Poise	30 - 50
Isocyanate Content	mg KOH/g	< 1	Modification Type ¹	Nil	TDI
Colour	Gardner	5 Max.	B-K Drying Times ^{1,2}		
Clarity	Nil	Clear	Touch Dry	Minutes	± 50
Density (25°C) ¹	g/cm ³	± 0.918	Hard Dry	Hours	± 2

Compatibility Characteristics ¹

Solvents		Film Formers	
Alcohols	Limited	Long Oil Alkyds	Compatible
Aliphatics	Limited	Medium Oil Alkyds	Compatible
Aromatics	Compatible	Cellulose Acetate Butyrate	Limited
Esters	Compatible	Rosin Esters	Limited
Ketones	Compatible		

Note:

¹ Properties are provided for information purposes only and do not form part of the product specification.

² Drying performance is measured on a sample containing 0.05% Cobalt and 0.5% Lead based on resin solids, reduced with white spirits to 100 seconds Ford 4 cup and allowed to mature for at least 16 hours. The varnish is subsequently applied at 75 microns to glass panels and allowed to dry under laboratory conditions.

Packaging

Kulac LSU 24W/60 is available in 190 Kg Net mild steel tight head drums. For alternative packaging requirements please contact our Sales Department.

Storage Stability and Safety

Kulac alkyd resins should be stored in its' original container below 30°C in a cool, dry, position away from direct sunlight or other heat sources. Under these conditions the resins will have a shelf life of one year. Kulac alkyds should additionally be stored and handled in accordance with local statutory regulations.

No warranty or guarantee, express or implied, is made regarding the suitability of this product for any application since the customer's product formulation and manner of use are beyond our control. UOP are committed to improving all aspects of our product range through continued research and development. As such product composition and/or specifications may change without notice.