



Kuwait Chemical Manufacturing Company KSC

الشركة الكويتية للتصنيع الكيماوي (ش.م.ك.)

TECHNICAL DATA SHEET

04 November 2008

Urethane Alkyd

KULAC LSU 19W/55

Kulac LSU 19W/55 is a 55% solids Urethaned Alkyd in white spirits specifically formulated for use in quality architectural coatings. **Kulac LSU 19W/55** exhibits excellent hardness, moisture resistance and durability.

Application Areas

Kulac LSU 19W/55 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 and wall coatings for damp and high traffic areas such as bathrooms/kitchens.
- Metal primers with good salt spray resistance.
- **Kulac LSU 19W/55** is not recommended for exterior applications subjected to direct sunlight.

Physical Characteristics

Parameter	Units	Limits
Oil Length ³	%	± 64
Oil Type ³	Nil	Linoleic Rich
Non-Volatile Content	%	55 ± 2
Viscosity (25°C) ³	Poise	6 - 12
Viscosity (25°C)	Gardner	U - X
Solids @ 2 Poise in W.S. ³	%	TBA
Acid Value (on solids)	mg KOH/g	5 Max.
Colour	Gardner	5 Max.
Clarity	Nil	Clear
Density @ 25°C ³	g/cm ³	± 0.908

B. K. Drying Times^{1,3}

Touch Dry	Hours	± 1
Hard Dry	Hours	± 3

Compatibility Characteristics²

Solvents³

Alcohols	Limited
Aliphatics	Compatible
Aromatics	Compatible
Esters	Compatible
Ketones	Compatible

Other Film Formers³

Bodied Oils	Limited
Chlorinated Rubber	Limited
Drying Oils	Compatible
Long Oil Alkyds	Compatible
Medium Oil Alkyds	Compatible

Note:

¹ Sample containing 0.05% Co and 0.5% Pb on resin solids reduced to 100 seconds Ford 4 with white spirits and matured for 48 hours. The varnish is subsequently applied at a 75µ wet film thickness to glass panels and allowed to dry under laboratory conditions.

² Compatibility characteristics are provided for guidelines only. Combinations should be thoroughly checked before use.

³ These parameters are provided for indication only and do not form part of the product specification.

Packaging

Kulac LSU 19W/55 is available in 190 Kg Net mild steel tight head drums. For alternative packaging requirements please contact our Sales Department.

Variants - Nil

Storage Stability and Safety

Kulac alkyd resins should be stored 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.

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