



Kuwait Chemical Manufacturing Company KSC

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

TECHNICAL DATA SHEET

01 June 2005

LONG OIL ALKYD

KULAC LSN 40N/100

Kulac LSN 40N/100 is a $\pm 100\%$ solids long oil alkyd containing only a small proportion of xylene used during processing. **Kulac LSN 40N/100** has been formulated for use in high quality architectural coatings when diluted with a suitable solvent.

Application Areas

Kulac LSN 40N/100 may be used in the formulation of brush or roller applied decorative finishes such as:

- Enamels
- Undercoats
- Primers

Physical Characteristics

Parameter	Units	Limits
Oil Length	%	± 62
Oil Type	Nil	Linoleic Rich
Non-Volatile Content	%	96 Min.
Viscosity (25°C)	Poise	± 1700
Viscosity (50°C)	Poise	± 314
Viscosity (100°C)	Poise	± 11
Solids @ 2 Poise in W.S.	%	± 48
Acid Value (on solids)	mg KOH/g	10 Max.
Colour	Gardner	5 Max.
Clarity	Nil	Clear
B. K. Drying Times ¹		
Touch Dry	Hours	± 2
Hard Dry	Hours	$\pm 3 \frac{1}{2}$

Compatibility Characteristics ²

Solvents	
Alcohols	Limited
Aliphatics	Compatible
Aromatics	Compatible
Esters	Compatible
Ketones	Compatible
Other Film Formers	
Amino Resins	Incompatible
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 75 μ 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.

Packaging

Kulac LSN 40N/100 is available in 190 Kg Net mild steel tight head drums. For alternative packaging requirements please contact our Sales Department.

Variants

Kulac LSN 40N/100 is also available diluted with white spirits. **Kulac LSN 40W/80** and **Kulac LSN 40W/70** are the 80% and 70% solids versions respectively, whilst **Kulac LSN 40W/58** is available for bulk supplies.

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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