



Kuwait Chemical Manufacturing Company KSC

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

TECHNICAL DATA SHEET

14 October 2012

LONG OIL ALKYD

KULAC LSN 30W/70

Kulac LSN 30W/70 is a 70% solids long oil alkyd in aliphatic solvent. **Kulac LSN 30W/70** has been formulated for use in very high quality architectural coatings, especially those that require adherence to local Bureau of Standards specifications.

Application Areas

Kulac LSN 30W/70 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 ³	%	± 62
Oil Type ³	Nil	Linoleic Rich
Non-Volatile Content	%	70 ± 2
Viscosity (25°C) ³	Poise	± 70
Viscosity (25°C)	Gardner	Z ₄ – Z ₅
Solids @ 2 Poise in W.S. ³	%	TBA
Acid Value (on solids)	mg KOH/g	12 Max.
Colour	Gardner	4 Max.
Clarity	Nil	Clear
B. K. Drying Times ^{1, 3}		
Touch Dry	Hours	± 2 ½
Hard Dry	Hours	± 4 ½

Compatibility Characteristics^{2, 3}

Solvents	Compatibility
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 aliphatic solvent 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 Parameters are provided for information purposes only and do not form part of the product specification.

Packaging

Kulac LSN 30W/70 is available in 190 Kg Net mild steel tight head drums. For alternative packaging requirements please contact our Sales Department.

Variants

Kulac LSN 30W/70 is also available as a 100% solids resin version, **LSN 30N/100**, an 80% solids version, **LSN 30W/80** and a 60% solids version for bulk deliveries, **Kulac LSN 30W/60**.

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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Document Revision Number

A-02

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