



Kuwait Chemical Manufacturing Company KSC

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

TECHNICAL DATA SHEET

31 August 2005

LONG OIL ALKYD

KULAC LSN 52W/58

Kulac LSN 52W/58 is a 58% solids long oil alkyd in white spirits formulated for use in quality architectural coatings exhibiting good gloss, durability and yellowing resistance.

Application Areas

Kulac LSN 52W/58 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	%	± 58
Oil Type	Nil	Linoleic Rich
Non-Volatile Content	%	58 ± 2
Viscosity (25°C)	Poise	± 60
Viscosity (25°C)	Gardner	± Z4
Viscosity (25°C) @ 55% solids	Gardner	Z to Z ₂
Solids @ 2 Poise in W.S.	%	± 44
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	± 3 ½

Compatibility Characteristics ²

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 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.

Packaging

Kulac LSN 52W/58 is available in 190 Kg Net mild steel tight head drums or road tankers of approximately 18 tons. For alternative packaging requirements please contact our Sales Department.

Variants

Kulac LSN 52W/58 is also available as a 70% solids variant, **Kulac LSN 52W/70**.

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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