

Technical Data Sheet

23 January 2013

**STYRENATED LINSEED STAND OIL**

**KULAC LLS 60W/60**

**Kulac LLS 60W/60** is a 60% solids styrenated linseed stand oil in aliphatic solvent specifically formulated for use in air drying metallic finishes. **LLS 60W/60** exhibits excellent flow and durability with normal air dry enamel drying times. Additionally, **LLS 60W/60** has good colour providing coatings with outstanding clarity and brightness.

**Application Areas**

**Kulac LLS 60W/60** may be used in the formulation of brush, roller or spray applied:

- Metallic aluminium or bronze coatings finishes
- Other coatings where a low acid value vehicle is beneficial to prevent acid/pigment interactions.

**Physical Characteristics**

Parameter	Units	Limits
Oil Length <sup>3</sup>	%	± 60
Oil Type <sup>3</sup>	Nil	Linseed
Non-Volatile Content	%	60 ± 2
Viscosity (25°C)	Gardner	K – T
Viscosity (25°C) <sup>3</sup>	Poise	3 - 5
Acid Value (on solids)	mg KOH/g	5 Max.
Colour	Gardner	5 Max.
Clarity	Nil	Clear <sup>4</sup>
Specific Gravity (25° C) <sup>3</sup>	Nil	± 0.90

**Compatibility Characteristics<sup>2, 3</sup>**

Solvents	Compatibility
Alcohols	Limited
Aliphatics	Compatible
Aromatics	Compatible
Esters	Compatible
Ketones	Compatible

**Other Film Formers<sup>3</sup>**

Amino Resins	Incompatible
Bodied Oils	Compatible
Chlorinated Rubber	Limited
Drying Oils	Compatible
Long Oil Alkyds	Compatible
Isocyanates	Compatible

**B. K. Drying Times<sup>1, 3</sup>**

Touch Dry	Hours	± 1.5
Hard Dry	Hours	± 2.5

**Note:**

<sup>1</sup> 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.

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

<sup>3</sup> These parameters are provided for information purposes only and do not form part of the product specification.

<sup>4</sup> Product may have slight haze in bulk, particularly at low storage temperatures.

**Suggested Usage**

Kulac LLS 60W/60 may be used in any application where its' combination of fast drying, hardness, low acid value and chemical/moisture resistance are of benefit.

**Packaging**

Kulac LLS 60W/60 is available in mild steel drums of 190 Kg net. For alternative packaging requirements please contact our Sales Department.

**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.

**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.**

**KCMC 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.**