

Technical Data Sheet

11 May 2017

LONG OIL ALKYD @ 70% SOLIDS IN ALIPHATIC SOLVENT

KULAC LLN 30W/70

Kulac LLN 30W/70 is a Long Oil Alkyd based on linseed oil and aliphatic solvent and has been specifically formulated to for use in decorative primers, top coats, architectural industry and marine paints.

Kulac LLN 30W/70 exhibits the degree of toughness, excellent outdoor durability, fast drying and hardness, while maintaining good gloss and yellowing resistance.

Application Areas

Kulac LLN 30W/70 may be used in the formulation of architectural brush or roller applied decorative enamels, undercoats, primers and general industrial enamels.

Physical Characteristics

Parameter	Units	Limits
Oil Length ³	%	± 63
Oil Type ³	Nil	Linseed Oil
Non-Volatile Content	%	70 ± 2
Viscosity (25°C)	Gardner	Z ₄ – Z ₆
Acid Value (on solids)	mg KOH/g	10 Max
Colour	Gardner	5 Max
Clarity	Nil	Clear
Reduced Viscosity@ 55% ³	Gardner	W – Y
Solids @ 2 Poise ³	%	± 40
Viscosity (25°C) ³	Poise	100 - 200
B. K. Drying Times^{1,3}		
Touch Dry	Hours	± 1.0
Hard Dry	Hours	± 4.0

Compatibility Characteristics²

Solvents	Compatibility
Alcohols	Limited
Aliphatics	Compatible
Aromatics	Compatible
Esters	Compatible
Ketones	Compatible
Other Film Formers²	
Bodied Oils	Compatible
Chlorinated Rubber	Limited
Drying Oils	Compatible
Long Oil Alkyds	Compatible
Medium Oil Alkyds	Compatible
Short Oil Alkyds	Limited

Note:

¹ Sample containing 0.05% Co and 0.5% Pb on resin solids reduced to 100 seconds Ford 4 with Aliphatic Solvent and applied at 75µ wet film thickness to glass panels after 16 hours maturation.

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

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

Suggested Usage

Kulac LLN 30W/70 is particularly suited to applications where its' good durability, gloss and yellowing resistance are of benefit.

Packaging

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

Storage Stability and Safety

Kulac alkyd resins should be stored in a cool and dry position away from direct sunlight or other heat sources below 30°C. 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. As such each customer product formulated on KCMC resins should be thoroughly tested and evaluated by the customer prior to commercialisation.