



Kuwait Chemical Manufacturing Company KSC

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

TECHNICAL DATA SHEET

07 November 2005

MEDIUM OIL ALKYD

KULAC MSN 50W/55

Kulac MSN 50W/55 is a 55% solids medium oil alkyd in white spirits formulated for use in high quality architectural coatings with good film builds and improved resistance to yellowing.

Application Areas

Kulac MSN 50W/55 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	%	± 50
Oil Type	Nil	Linoleic Rich
Non-Volatile Content	%	55 ± 2
Viscosity (25°C)	Poise	100 to 150
Viscosity (25°C)	Gardner	Z ₅ to Z ₆
Viscosity (25°C) @ 45% solids	Gardner	± T - U
Solids @ 2 Poise in W.S.	%	± 40
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 ½
Hard Dry	Hours	± 3 ½

Compatibility Characteristics ²

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

Other Film Formers	Compatibility
Amino Resins	Incompatible
Bodied Oils	Limited
Chlorinated Rubber	Limited
Drying Oils	Compatible
Long Oil Alkyds	Compatible
Phenolic Resins	Limited

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.

Suggested Usage

Kulac MSN 50W/55 has been specifically formulated for use in decorative enamels for interior use, such as cupboards as well as kitchen and bathroom wall coatings, where it will exhibit lower yellowing, greater durability and superior moisture resistance than conventional long oil alkyds. In high PVC (low sheen) wall coatings one can also expect improved directional sheen uniformity and sheen consistency.

Packaging

Kulac MSN 50W/55 is available in 190 Kg Net mild steel tight head drums. 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.

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