

Technical Data Sheet

29 December 2016

MEDIUM OIL ALKYD IN ALIPHATIC SOLVENT

KULAC MSN 49W/55

Kulac MSN 49W/55 is a 55% solids medium oil alkyd in aliphatic solvent formulated for use in domestic and industrial finishes. **Kulac MSN 49W/55** exhibits the expected degree of toughness, mar resistance, hardness and durability for this class of resin.

Application Areas

Kulac MSN 49W/55 may be used in the formulation of brush, roller or spray applied coatings such as:

- Domestic primers, undercoats and enamels.
- General Industrial enamels
- Primers

Physical Characteristics

Parameter	Units	Limits
Oil Length ¹	%	± 49
Oil Type ¹	Nil	Linoleic Rich
Non-Volatile Content	%	55 ± 2
Viscosity (25°C)	Gardner	Z ₈ – Z ₉
Viscosity (25°C) ¹	Poise	800 ± 100
Viscosity (25°) @ 45% solids	Gardner	Z ₃ – Z ₄
Acid Value (on solids)	mg KOH/g	10 Max.
Colour	Gardner	5 Max.
Clarity	Nil	Clear
Specific Gravity ¹	Nil	0.93± 0.05
B.K. Drying Times³		
Touch Dry	Hours	2.5 ± 0.5
Hard Dry	Hours	4.0 ± 1.0

Compatibility Characteristics²

Solvents	Compatibility
Alcohols	Limited
Aliphatics	Compatible
Aromatics	Compatible
Esters	Compatible
Ketones	Compatible
Other Film Formers²	
Amino resins	Incompatible
Chlorinated Rubber	Limited
Bodied Oil	Limited
Phenolic Resins	Limited
Drying Oils	Compatible
Long Oil Alkyd	Compatible

¹ These parameters are provided for information purposes only and do not form part of the product specification.

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

³ 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.

Suggested Usage

Kulac MSN 49W/55 may be used in any application where it's combination of rapid drying, hardness and durability are of benefit.

Packaging

Kulac MSN 49W/55 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.

This product contains mixed Xylenes and as such requires special care in handling. Please refer to our MSDS in addition to any local statutory requirements.

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.