

Technical Data Sheet

09 January 2017

CHAIN STOPPED SHORT OIL ALKYD

KULAC SSC 29X/55

Kulac SSC 29X/55 is a short oil chain stopped alkyd in xylene formulated to provide industrial coatings with a high degree of gloss, hardness, and durability.

Application Areas

Kulac SSC 29X/55 may be used in the formulation of air, airless or electrostatic spray applied industrial finishes such as:

- Air-drying Nitrocellulose and acid catalysed UF wood finishes
- Twin pack primers and enamels
- Air drying or stoving primers and enamels

Physical Characteristics

| Parameter | Units | Limits |
|--------------------------------------|----------|----------------------------------|
| Oil Length | % | ± 30 |
| Oil Type ² | Nil | Linolenic Rich |
| Non-Volatile Content | % | 53 - 57 |
| Viscosity (25°C) | Gardner | Z ₅ to Z ₆ |
| Viscosity (25°C) ² | Poise | 100 - 150 |
| Solids @ 2 Poise | % | ± 36 |
| Acid Value (on solids) | mg KOH/g | 12 Max |
| Colour | Gardner | 5 Max |
| Clarity | Nil | Clear |
| Specific Gravity (25°C) ² | Nil | ± 1.02 |
| Hydroxyl Content ² | % | ± 4.0 |

Compatibility Characteristics ²

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

Other Film Formers ²

| | |
|--------------------|--------------|
| Amino Resins | Compatible |
| Chlorinated Rubber | Compatible |
| Isocyanates | Compatible |
| Long/Medium Alkyds | Limited |
| Nitrocellulose | Compatible |
| Short Oil Alkyds | Compatible |
| Styrenated Alkyds | Incompatible |

B. K. Drying Times ¹

| | | |
|-----------|---------|-------|
| Touch Dry | Minutes | ± 15 |
| Hard Dry | Hours | ± 2.5 |

Note:

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

² These parameters are provided for information purposes only and do not form part of the product specification. Due to variations amongst materials within a category, compatibility with each specific solvent or film former should be thoroughly checked before use.

Suggested Usage

Kulac SSC 29X/55 is particularly suited to applications as a replacement for styrenated alkyds where its superior exterior durability and colour retention are of advantage.

Packaging

Kulac SSC 29X/55 is available in 190 Kg Net mild steel drums. For alternative packaging requirements please contact our Sales Department.

Storage Stability and Safety

Kulac SSC 29X/55 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 SSC 29X/55 contains mixed xylene solvent and, as such, should 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.