Mixed Fatty Acid Fast Drying Alkyd Resin Economy

Description
ALK 3936 70 is short oil oxidising modified polyester resin for economical air drying applications and low bake systems for darker shades.

Suggested uses
Dark Shades Vehicle refinishes
Fast Drying industrial finishes
Low Bake forced drying products
Heavy duty primers

Compatibility
Short Oil Alkyd Less Compatible
Medium Oil Alkyds Less Compatible
Amino Resins Incompatible
Long Oil Alkyds Incompatible
Chlorinated Rubber Incompatible
NC Resins Incompatible
Vinyl Resins Incompatible

Solubility / Thinnability
Aromatic Hydrocarbons
Esters
Ketones
Limited solubility in Alcohols
Insoluble in Aliphatic hydrocarbon

Performance
Excellent Colour and colour retention
Excellent Gloss and gloss retention
Good Re-coatability
Good adhesion to metal surface.
Rapid Air drying

| ALK 3936 70 |
| Typical Physical and Chemical Properties |
| Solvent | Xylene |
| Oil Length in % | 28 |
| Acid Value (mg Koh/gm)Max. | 15 |
| Reducer | 50 % in Xylene |
| Colour | Dark Brown |
| Viscosity in C.Ps@ 25 C (55 % Sol) | 4000 - 5500 |
| Viscosity @30°C in sec. B4 ford cup | 300 - 350 |
| Gardener Viscosity (50 % Solution) | X - Z |
| Solid Contents in %, 120 C/1 Hr. | 69 - 71 |
| Oh Value on resin solid basis | 98 |

Recommendations
In air drying systems 0.05 % CO, 0.5 % Pb ,0.1 % Ca calcu as metal on solid resins content are recommended in air dry systems .In lead free systems use 0.2% - 0.6% of Zirconium can be used as an alternative to Lead.

Surface dry 15 Minutes
Tack free 120 Minutes
Hard dry Overnight

In low bake system recommended level of Melamine Formaldehyde is 5-15% on solid resin basis are added and then baked at 80c.
Storage
It should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5°C & 30°C. Exposure to sun shine should be avoided.

Stability
Under the above-mentioned storage conditions the stability of the resin will be 24 months ex-work.

Packing Codes
PAC 1000      Bulk tankers Mild steel
PAC 0011      Iso Tank
PAC 1011      Steel Closed head drums 200 Kgs net
PAC 5011      Second hand Steel Closed head drums 200 Kgs
* Special packing also available on request