

Mixed Fatty Acid Fast Drying Alkyd Resin Economy

Description

ALK 3936 55 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	Less Compatible
Long Oil Alkyds	Incompatible
Cholorinated 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 55 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.	54 - 56
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 dr systems .In lead free systems use 0.2% - 0.6% of Zirconiu 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