Mixed Fatty Acid Fast Drying Alkyd Resin

Description

ALK 3237 60 is medium oil oxidising modified polyester resin for air drying applications and low bake systems.

Suggested uses

Vehicle refinishes
Fast Drying industrial finishes
Low Bake forced drying products
Heavy duty primers
Two Pack applications

Compatibility

Long Oil Alkyds	Compatible
Medium Oil Alkyds	Compatible
Amino Resins	Compatible
Isocyanate adduct	Compatible
Cholorinated Rubber	Incompatible
NC Resins	Incompatible
Vinyl Resins	Incompatible
Short Oil Alkyds	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
Air Drying ,Low Bake and two pack from a single base
Good adhesion to metal surface.
Good Surface and through drying.

ALK 3237 60 Typical Physical and Chemical Properties

Solvent	Xylene
Oil Lenghth in %	47
Acid Value (mg Koh/gm)Max.	15
Reducer	50 % in Xylene
Colour in Gardner Scale Maximum.	4
Viscosity in C.Ps@ 25 C (55 % Sol)	600 - 1200
Viscosity @30ºC in sec. B4 ford cup	70 - 90
Gardener Viscosity (50 % Solution)	J - N
Solid Contents in % , 120 C/1 Hr.	59 - 61
Oh Value on resin solid basis	63

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 Zirconiur can be used as an alternative to Lead.

Surface dry	15 Minutes
Tack free	150 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.

In two- pack systems recommended ratios are

	On Solid Basis
ALK 3237 60 %	890
N - 75	191
AR - 75	243

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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

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