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
- Chlorinated 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

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

Recommendations
In air drying systems 0.05% CO, 0.5% Pb, 0.1% Ca calculated as metal on solid resin content are recommended in air drying 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: 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 80°C.

In two-pack systems recommended ratios are

<table>
<thead>
<tr>
<th>Resin</th>
<th>On Solid Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALK 3237 60 %</td>
<td>890</td>
</tr>
<tr>
<td>N - 75</td>
<td>191</td>
</tr>
<tr>
<td>AR - 75</td>
<td>243</td>
</tr>
</tbody>
</table>

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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