

SYNOLAC® 82X-70

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 82X-70 is a short oil oxidising alkyd developed for use in a wide range of industrial; vehicle refinishing fast air-drying and stoving applications. This resin can be used in two-pack applications.

Performance

- Air drying, low bake and two-pack from a single base resin
- Excellent color retention
- Good gloss retention
- Good adhesion on metal surface.

Polymer Type

- Solvent borne Alkyd

Sales Specifications

% Solid Content (at 150°C, 1gm, 1hr.), (ISO 3251)	68 - 72
Viscosity in seconds at 30°C, (B-4 Ford Cup, 50% in Xylene)	120 - 130
Colour, Gardner scale (ISO 4630)	8 Max
Acid value, mg KOH/g (ISO 2114)	12 Max

Other Characteristics

Volatile	Xylene
Oil Length	38
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.05
Hydroxyl Content	2.10
Hydroxyl Equivalent Weight	800
Oil or Fatty Acid Type	Linoleic

Note: Acid value, hydroxyl value and oil length quoted relative to solid resin

1 The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

Formulation Guidelines

RECOMMENDATIONS FOR USE

SOLUBILITY:

SYNOLAC® 82X-70 is completely soluble in aromatic hydrocarbons, ketones and esters. It is partially soluble in aliphatic hydrocarbon and alcohols. Solvents containing alcoholic groups are not used when using it for two-pack systems.

COMPATIBILITY:

SYNOLAC® 82X-70 is compatible with all short oil alkyd, some medium oil alkyd and amino resins. It is also compatible with isocyanate adduct. It is not compatible with long oil alkyds, chlorinated rubber, NC, and vinyl resins.

DRIERS:

In air drying systems 0.05%CO, 0.5%Pb, 0.1%Ca, calculated as metal on solid resins content are recommended. Typical Drying time using above combination are as follows:

S.D. - 15 – 20 min. T. D. - 90 – 120 min. H. D. - O/N.

In low bake system recommended temperature is 80 - 90°C and level of Melamine Formaldehyde is 5-15% on solid resin.

	On solids basis	On solution basis
SYNOLAC® 82X-70	800	1150
N-75	191	255
L-75	242	323

S.D. – 5 - 10 min. T.D. - 45 -60 min. H.D. - 6 -8 Hrs.

SYNOLAC® 82X-70 is an ideal choice for industrial grade fast drying enamel and undercoat. It is also use for vehicle refinishes.

Product Safety

Please refer to the corresponding Safety Data Sheet

Storage & Handling

SYNOLAC[®] 82X-70 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided. Under the above mentioned storage conditions the shelf life of the resin will be 12 months from the date of manufacturing.

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