

SYNOLAC® 3132 X 75

GENERAL INDUSTRY

ARKEMA COATING RESINS

Product Application details

SYNOLAC® 3132 X 75 is a short oil chain-stopped high solids alkyd suitable for use in industrial air dry, force dry and stoving finishes.

SYNOLAC® 3132 X 75 is recommended for use in machinery, agricultural and transport finishes. It is equally suitable for interior and exterior applications.

It can also be used in combination with conventional short or medium oil alkyds to reduce VOC.

Performance Benefits

- Fast drying
- Good colour retention
- Good chemical resistance

Polymer Type

- Solventborne Alkyd

Sales Specifications

| | |
|--------------------------------------|-------------|
| Solid Content at 125°C, % (ISO 3251) | 74 - 76 |
| Viscosity at 25°C, mPa.s (ISO 3219) | 3600 - 9800 |
| Colour, Gardner scale (ISO 4630) | 8 max |
| Acid value, mg KOH/g (ISO 2114) | 4 - 10 |

Other Characteristics¹

| | |
|---|--------|
| Volatile | Xylene |
| Flash point, °C (ISO 3679) | 28 |
| Density / Specific Gravity at 20°C, g/ml (ISO 2811) | 1.06 |
| Type of fatty acid | Soya |
| Fatty Acid content, % | 35 |

Note: Acid value and/or Hydroxyl value 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

For air dry finishes a suitable combination of driers for use with SYNOLAC® 3132 X 75 is 0.05% cobalt, 0.05% calcium and 0.20% zirconium calculated as metal on solid resin. For best through dry and film hardness especially in thick films an alternative combination of driers is recommended:

Aluminium Organic Complex, for example AOC 1020 X (1), 0.3% aluminium on solid resin and cobalt 0.05% on solid resin. Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying/hardness profile.

Although coatings based on SYNOLAC® 3132 X 75 show good air dry performance they can also be force dried. Suitable force dry schedules are 20 minutes at 75°C or 10 minutes at 85°C. In stoving systems the addition of 10-20% of an amino resin is recommended.

SYNOLAC® 3132 X 75 should only be used in applications consistent with the above recommendations. Proposals to use the resin in other ways should be discussed with ARKEMA before any action is taken.

COMPATIBILITY

SYNOLAC® 3132 X 75 is compatible with most short and medium oil length alkyds and amino resins. It is incompatible with long oil alkyds and drying oils.

Notes: (1) OMG Borchers GmbH

SYNOLAC®

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOLAC® 3132 X 75 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.

In the above mentioned storage conditions the shelf life of the resin will be 9 months from the shipping date

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