

COATING RESINS

TECHNICAL DATA

SYNOLAC 5001/1(60%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	58 - 62
Viscosity in Secs at 30°C (50%in Xylene) By B-4 Ford Cup	250- 300
Colour, Gardner scale (ISO 4630)	≤ 8 Gardner
Acid value, mg KOH/g (ISO 3682)	≤15

OTHER PROPERTIES

Volatile	Xylene
Non-volatile content, % @ 150°C	60
Flash point, °C (ISO 3679)	28
Density at 20°C (ISO 2811)	0.98
Oil or Fatty Acid Type	Non drying
Oil Length in %	40%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 5001/1(60%) SYNOLAC5001/1(60%) is a Short oil Alkyd resin which is based on non drying oil and modified with glycerol. SYNOLAC5001/1(60%) is recommended for stoving enamels. It is available in 70% solids. Particular advantages gained by using this resin include:

- Excellent Colour and colour retention.
- Excellent Gloss and gloss retention.
- Excellent hardness.

USES:

This resin is used in Roller coating hard water white varnishes, NC primers and putties.

SYNOLAC 5001/1(60%) should only be used in applications consistent with the above recommendations. Proposals to use the resin in other ways should be discussed with Cray Valley before any action is taken.

SOLUBILITY:

SYNOLAC5001/1(60%) is soluble in aromatic hydrocarbons, ketones and esters.

COMPATIBILITY : SYNOLAC5001/1(60%) is compatible with most short oil alkyd.

It is compatible with all amino resins. This resin is compatible with the vinyl resins

RECOMMENDATIONS:

SYNOLAC 5001/1(60%) is compatible with a wide range of Amino resins and is typically used up with and Melamine formaldehyde.

For an optimum performance with respect to level of cure, flexibility, hardness and impact resistance, a combination of SYNOLAC 5001/1(60%) with Amino Resin at ratio of 60:40, 70:30 on solid resin content is suggested. To promote cure the use of 1%- 6% of acid catalyst is recommended mainly p- toluene sulphonic acid is used.