

COATING RESINS

TECHNICAL DATA

SYNOLAC 3001(100%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	94-100
Viscosity in Secs at 30°C (50% in MTO) (By B-4 Ford Cup)	80 - 100
Colour, Gardner scale (ISO 4630)	≤ 10 Gardner
Acid value, mg KOH/g (ISO 3682)	≤10

OTHER PROPERTIES

Volatile	NA
Non-volatile content, % @ 150°C	94 - 100
Flash point, °C (ISO 3679)	42
Density at 20°C (ISO 2811) of 50% Soln. in MTO	0.98
Oil or Fatty Acid Type	Safflower
Oil Length in %	64%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 3001(100%) SYNOLAC3001(100%) is a long oil oxidising alkyd based on safflower oil modified with Pentaerythritol. SYNOLAC3001 is recommended for use in high quality decorative paints and air drying enamels with excellent gloss. It can be used for roller coating enamels. available in 100%, 70% and 60% solids. Particular advantages gained by using this resin include:

- Excellent non yellowing properties
- Excellent Gloss and gloss retention
- Excellent colour and colour retention

Solubility:

SYNOLAC3001 is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

COMPATIBILITY : SYNOLAC3001(100%) is compatible with most long and medium oil alkyd, drying oils, Varnishes and Chlorinated rubber.

It is partially compatible with short oil alkyds. It is also compatible with the Ureth Alkyds in all proportions.

DRIERS :

For Air Drying applications recommended drier combination is as follows ; 0.05% Cobalt 0.1% Calcium and 0.5% Lead calculated as on metal basis. In lead free systems use 0.2% - 0.6% of Zirconium can be used as an alternative to Lead.

Typical Drying time using above combination are as follows:

S.D.	-	1 – 2 hrs.
T. D.	-	5 – 6 hrs.
H. D.	-	O/N

USES:

Used in high quality non yellowing synthetic enamels and roller coating inks.

SYNOLAC 3001(100%) 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