

COATING RESINS

TECHNICAL DATA

SYNOLAC 3002/1(100%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	94 – 100
Viscosity in Secs at 30°C (50%in MTO) (By B-4 Ford Cup)	25 - 30
Colour, Gardner scale (ISO 4630)	≤ 10 Gardner
Acid value, mg KOH/g (ISO 3682)	≤10

OTHER PROPERTIES

Volatile	NA
Non-volatile content, % @ 150°C	100
Flash point, °C (ISO 3679)	37 (50% Soln)
Density at 20°C (ISO 2811)	0.98 (50% Soln.)
Oil or Fatty Acid Type	Safflower
Oil Length in %	65%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 3002/1: SYNOLAC3002/1 is a Long oil oxidising Alkyd resin which is based on Safflower oil and modified with Pentaerythritol.

SYNOLAC3002/1 is recommended for use in high quality decorative paints which is having excellent gloss and colour retention. This resin can be used in quality printing ink used for metal decoration. It is available in 100% 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.
- Excellent ZnO Tolerance.

Solubility:

SYNOLAC3002/1 is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

COMPATIBILITY : SYNOLAC3002/1 is compatible with most long and medium oil alkyd, drying oils and Varnishes, Chlorinated rubber. It is partially compatible with short oil alkyds. It is also compatible with the Urethane 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.	-	2 – 3 hrs.
T. D.	-	5 – 6 hrs.
H. D.	-	O/N

USES:

It is used in high quality printing ink it is also used in silk screen printing ink.

SYNOLAC 3002/1 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.