

COATING RESINS

TECHNICAL DATA

SYNOLAC 2001(100%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	94-100
Viscosity in Secs at 30°C (50%in MTO) (By B-4 Ford Cup)	100 - 120
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	Linseed Oil
Oil Length in %	65%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 2001(100%) SYNOLAC2001(100%) is a long oil linseed alkyd modified with Pentaerythritol. SYNOLAC2001 is recommended for use in high quality decorative paints and air drying enamels with excellent gloss. It is available in 100% & 60% solids. Particular advantages gained by using this resin include:

- Excellent Drying.
- Excellent Gloss.
- Excellent Flow and Levelling Properties.

Solubility:

SYNOLAC2001 is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

COMPATIBILITY : SYNOLAC2001(100%) is compatible with most long oil 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.	-	1 – 2 hrs.
T. D.	-	4 – 5 hrs.
H. D.	-	O/N

USES:

This is used in high quality decorative paints and air drying enamels with excellent gloss.

SYNOLAC 2001(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.