

COATING RESINS

TECHNICAL DATA

SYNOLAC 6001(52%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	50 - 54
Viscosity inSecs at 30°C (40%in MTO) (By B-4 Ford Cup)	130 - 150
Colour, Gardner scale (ISO 4630)	≤ 10 Gardner
Acid value, mg KOH/g (ISO 3682)	≤20

OTHER PROPERTIES

Volatile	MTO
Non-volatile content, % @ 150°C	52
Flash point, °C (ISO 3679)	37
Density at 20°C (ISO 2811)	0.98
Oil or Fatty Acid Type	Linseed Oil
Oil Length in %	40%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 6001(52%) SYNOLAC 6001(52%) is a short oil oxidising Rosinated Linseed alkyd resin ; which is modified with the combination of Pentaerythritol. SYNOLAC6001(52%) is recommended for use in air drying decorative and industrial enamel paints with excellent gloss. This resin also can be use for undercoat applications It is also used in furniture enamels. It is available in 52% solids. Particular advantages gained by using this resin include:

- Excellent Drying.
- Excellent Gloss.

Solubility:

SYNOLAC 6001(52%) is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

COMPATIBILITY : SYNOLAC 6001(52%) is compatible with all short and medium oil alkyd, amino resins. It is partially compatible with Long oil alkyds.

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 – 6 hrs.
H. D.	-	O/N

For stoving applications with amino resin recommended combination is at 75:25 80:20. To promote cure the use of 1%-6% of acid catalyst recommended is mainly p-Toluene sulphonic acid.

USES:

This resin is use in low cost air drying decorative and industrial enamels paints and undercoats application. This resin is used in furniture enamels and metal decoration applications.

SYNOLAC 6001 (52%) 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.