

COATING RESINS

TECHNICAL DATA

SYNOLAC 6005 (52%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	50 - 54
Viscosity in Secs at 30°C (40%in MTO) (By B-4 Ford Cup)	70 - 80
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	DCO
Oil Length in %	52%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 6005(52%) SYNOLAC 6005(52%) is a short oil oxidising Rosinated DCO alkyd resin ; which is modified with the combination of Glycerol. SYNOLAC 6005(52%) is recommended for use in low cost air Drying décorative and industrial enamel paints with excellent overall performance. This resin can be use for undercoat applications. available in 52% solids.

Particular advantages gained by using this resin include:

- Excellent Gloss.
- Good adhesion.

Solubility:

SYNOLAC 6005(52%) is completely soluble in aliphatic and aromatic hydrocarbons , ketones and esters.

COMPATIBILITY : SYNOLAC 6005(52%) is compatible with all short and medium oil alkyd and 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.	-	2 – 3 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 is recommended mainly p- toluene sulphonic acid is used.

USES:

This resin is used for air drying and stoving enamel paint. It can be used in undercoat applications.

SYNOLAC 6005 (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.

