

COATING RESINS

TECHNICAL DATA

SYNOLAC 6006X(52%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	50 - 54
Viscosity in CPS at 25°C (straight) (By Brookfield viscometer Spindle No.2 RPM 20)	1000 - 1500
Colour, Gardner scale (ISO 4630)	≤ 12 Gardner
Acid value, mg KOH/g (ISO 3682)	≤30

OTHER PROPERTIES

Volatile	Xylene
Non-volatile content, % @ 150°C	52
Flash point, °C (ISO 3679)	25
Density at 20°C (ISO 2811)	0.96
Oil or Fatty Acid Type	Linseed Oil
Oil Length in %	40%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 6006X(52%) SYNOLAC 6006X (52%) is a short oil oxid Rosinated Linseed alkyd resin ; which is modified with the combinatic Pentaerythritol/Glycerol.

SYNOLAC 6006X (52%) is recommended for use in low cost insul: varnish it can be use for hammertone applications. It is available in solids. Particular advantages gained by using this resin include:

- Excellent Gloss.
- Good adhesion.
- Fast drying.

recommended mainly p- toluene sulphonic acid is used.

For Hammertone application minimum amount of silicon resin can be added till effect comes.

SYNOLAC 6006X (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.

Solubility:

SYNOLAC 6006X (52%) is completely soluble in aromatic hydrocarbons ketones and esters. It is also partially soluble in aliphatic hydrocarbon.

COMPATIBILITY : SYNOLAC 6006X (52%) is compatible with all short and medium oil alkyd and with silicone resin. It is partially compatible with Long oil alkyds.

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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. - 8 – 10 hrs.

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