

COATING RESINS

TECHNICAL DATA

SYNOLAC 4007(60%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C 58 - 62

Viscosity in CPS at 25°C (By Spindle No.4 20 RPM) 7000 – 10000 (straight)

Colour, Gardner scale (ISO 4630) ≤ 10 Gardner

Acid value, mg KOH/g (ISO 3682) ≤15

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 Dehydrated Castor Oil

Oil Length in % 55%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 4007(60%) SYNOLAC4007(60%) is a Medium oil oxidising alkyd resin based on Semidrying Oil which is modified with the combination of Glycerol and Pentaerythritol.

SYNOLAC4007(60%) is recommended for use in reasonably fast drying low cost decorative and industrial enamel paints with excellent gloss. This resin can be used for undercoat applications. It is available in 60% solids. Particular advantages gained by using this resin include:

- Good Drying.
- Excellent Gloss.

Solubility:

SYNOLAC4007(60%) is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

COMPATIBILITY : SYNOLAC4007(60%) is compatible with most long and medium oil alkyd, drying oils and Varnishes, Chlorinated rubber. It is partially compatible with short 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. - 5 – 6 hrs.
H. D. - O/N

USES:

This resin is used in low cost decorative and industrial enamel paints. It is also used in undercoat application.

SYNOLAC 4007(60%) 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.