

## COATING RESINS

### TECHNICAL DATA

### SYNOLAC 4002(100%)

#### SALES SPECIFICATION

Non-volatile content, % @ 150°C	94 - 100
Viscosity inSecs at 30°C ( 50%in MTO) (By B-4 Ford Cup )	100 - 120
Colour, Gardner scale (ISO 4630)	≤ 12 Gardner
Acid value, mg KOH/g (ISO 3682)	≤15

#### OTHER PROPERTIES

Volatile	NA
Non-volatile content, % @ 150°C	100
Oil or Fatty Acid Type	DCO
Oil Length in %	65%

Note –Acid Value quoted relative to solid resin

#### PRODUCT INFORMATION

**SYNOLAC 4002(100%)** SYNOLAC4002(100%) is a Long oil oxidising Alkyd Resin which is made by DCO and modified with Pentaerythritol. SYNOLAC4002(100%) is recommended for use where economy is a major Factor. This resin can be use to make low cost paints and primers for metal and wood. It is available in 100% and 60% solids. Particular advantages gained by using this resin include:

- Economy in use.
- Good Gloss.

#### **Solubility:**

SYNOLAC4002(100%) is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

**COMPATIBILITY :** SYNOLAC4002(100%) is compatible with most long 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.	-	2 – 3 hrs.
T. D.	-	6 – 7 hrs.
H. D.	-	O/N

#### USES:

This resin is used for low cost decorative paint for metal and wood. This can be used for under coat applications.

**SYNOLAC 4002(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.