

## COATING RESINS

### TECHNICAL DATA

### SYNOLAC 3002(60%)

#### SALES SPECIFICATION

Non-volatile content, % @ 150°C 58 – 62 and 94 - 100

Viscosity in Secs at 30°C ( 50%in MTO)  
(By B-4 Ford Cup ) 100 - 120

Colour, Gardner scale  
(ISO 4630) ≤ 10 Gardner

Acid value, mg KOH/g  
(ISO 3682) ≤10

#### OTHER PROPERTIES

Volatile MTO

Non-volatile content, % @ 150°C 60 / 100

Flash point, °C (ISO 3679) 37

Density at 20°C (ISO 2811) 0.98

Oil or Fatty Acid Type Soyabean

Oil Length in % 65%

Note –Acid Value quoted relative to solid resin

#### PRODUCT INFORMATION

**SYNOLAC 3002(60%) and 3002(100%)** SYNOLAC3002(60%) and (100%) is a Long oil oxidising Alkydresin hich which is based on Safflower oil and modified with Pentaerythritol. SYNOLAC3002(60%) is recommended for use in high quality décorative paints which is having excellent gloss and colour retention. This resin can be used for ZnO coatings. It can be used in high quality ink used for metal decoration. It is also available in 60% and 100% solids. Particular advantages gained by using this resin include:

- Excellent Non yellowing properties.
- Excellent Gloss and gloss retention.
- Excellent colour and colour retention.
- Excellent ZnO Tolerance.

#### Solubility:

SYNOLAC3002(60%) is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

**COMPATIBILITY :** SYNOLAC3002(60%) 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. - 5 – 6 hrs.  
H. D. - O/N

#### USES:

This resin is used for high quality synthetic enamels and roller coatings which is having excellent Zn tolerance and good colour retention properties.

**SYNOLAC 3002(60%) and (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.