

# CRAY VALLEY

## COATING RESINS

### TECHNICAL DATA

### SYNOLAC 6003(52%)

#### SALES SPECIFICATION

Non-volatile content, % @ 150°C	50 - 54
Viscosity in Secs at 30°C ( 40%in MTO) (By B-4 Ford Cup )	120 - 150
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 %	45%

Note –Acid Value quoted relative to solid resin

#### PRODUCT INFORMATION

**SYNOLAC 6003(52%)** SYNOLAC 6003(52%) is a short oil oxidising Rosinated DCO alkyd resin ; which is modified with the combination of Glycerol.

SYNOLAC 6003(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. It is available in 52% solids. Particular advantages gained by using this resin include:

- Excellent Gloss.
- Good adhesion.

#### **Solubility:**

SYNOLAC 6003(52%) is completely soluble in aliphatic and aromatic hydrocarbons , ketones and esters.

**COMPATIBILITY :** SYNOLAC 6003(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.	-	1 – 2 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 use for low cost air drying and stoving enamel and undercoat applications. This resin can be use for Tin printing Coatings.

**SYNOLAC 6003 (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.