

## COATING RESINS

### TECHNICAL DATA

### SYNOLAC 4006 (52%)

#### SALES SPECIFICATION

Non-volatile content, % @ 150°C	48 - 54
Viscosity in Secs at 30°C ( 50%in MTO) (By B-4 Ford Cup )	160 -180
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 %	52%

Note –Acid Value quoted relative to solid resin

#### PRODUCT INFORMATION

**SYNOLAC 4006(52%)** SYNOLAC4006(52%) is a Medium oil oxidising alkyd resin based on Semidrying Oil which is modified with the Pentaerythritol . SYNOLAC4006(52%) is recommended in reasonably for Roller coating enamels and over print varnish. This resin can be use for undercoat application It is available in 52% solids. Particular advantages gained by using this include:

- Good Drying.
- Good hardness and flexibility.
- Good adhesion.

#### **Solubility:**

SYNOLAC4006(52%) is soluble in aliphatic and aromatic hydrocarbons ketones and esters.

**COMPATIBILITY :** SYNOLAC4006(52%) is compatible mostly with the long and medium oil alkyd, drying oils and Varnishes.

It is partially compatible with some 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 b; In lead free systems use 0.2% - 0.6% of Zirconium can be used as an alternative Lead.

Typical Drying time using above combination are as follows:

S. D.	-	1 – 2 hrs.
T. D.	-	4 – 5 hrs.
H. D.	-	O/N

#### USES

This resin is used for Roller coating varnishes and for overprint varnishes.

**SYNOLAC 4006(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.