

# CRAY VALLEY

## COATING RESINS TECHNICAL DATA

## SYNOLAC 9005X(52%)

### SALES SPECIFICATION

Non-volatile content, % @ 150°C	50 - 54
Viscosity in CPS at 25°C ( Straight) (By Brookfield Viscometer Spindle No.4 RPM20 )	3000 - 4000
Colour, Gardner scale (ISO 4630)	≤ 8 Gardner
Acid value, mg KOH/g (ISO 3682)	≤15

### OTHER PROPERTIES

Volatile	Xylene
Non-volatile content, % @ 150°C	52
Flash point, °C (ISO 3679)	22
Density at 20°C (ISO 2811)	0.96
Oil or Fatty Acid Type	DCO
Oil Length in %	23%

Note –Acid Value quoted relative to solid resin

### PRODUCT INFORMATION

### Uses:

**SYNOLAC 9005X(52%)** SYNOLAC9005X(52%) is a short oil oxidising acrylic modified alkyd resin ; which is made in combination with Glycerol. SYNOLAC 9005X(52%) is specially recommended to use in industrial fast air drying systems. It is also used to modify other resin's performance. This resin is available in 52% solids. Particular advantages gained by using this resin include:

- Excellent drying.
- Excellent solvent release.
- Excellent hardness.
- Good petrol and oil resistance.
- Good gloss.
- Good Non-Yellowing properties.

### **Solubility:**

SYNOLAC9005X(52%) is completely soluble in aromatic hydrocarbons, ketones and esters. It does have marginal solubility in alcohols like butanol, isopropanols. It does not have solubility in aliphatic hydrocarbons.

SYNOLAC 9005X(52%) exhibits very rapid air drying characteristics achieving touch dry times of the order of 5 minutes. SYNOLAC 9005X is recommended for use in paint systems as the sole binder. Minor additions of plasticizers improve the flexibility and adhesion of paints based on SYNOLAC 9005X, whilst retaining the advantages of rapid dry.

### **RECOMMENDATIONS:**

In air drying systems it is recommended to add primary and secondary plasticisers ( about 2% - 5%) to achieve the flexibility without affecting the drying.

**COMPATIBILITY :** SYNOLAC 9005X(52%) is compatible with all short alkyd resins. It does have compatibility with all primary and secondary plasticisers and amino resins. It is not compatible with long and medium oil alkyds, chlorinated rubber, NC resins, and vinyl resins.

**SYNOLAC 9005X(52%)** should only be used in applications consistent With the above recommendations. Proposals to use resin in other way should be discussed with the Cray Valley before any action taken.