

## COATING RESINS

### TECHNICAL DATA

### SYNOLAC 92X(55%)

#### SALES SPECIFICATION

Non-volatile content, % @ 150°C	53 - 57
Viscosity in CPS at 25°C ( Straight) (By Brookfield Viscometer Spindle No.4 RPM20 )	4000 - 5000
Colour, Gardner scale (ISO 4630)	≤ 10 Gardner
Acid value, mg KOH/g (ISO 3682)	≤15

#### OTHER PROPERTIES

Volatile	Xylene
Non-volatile content, % @ 150°C	55
Flash point, °C (ISO 3679)	24
Density at 20°C (ISO 2811)	0.96
Oil or Fatty Acid Type	Linoleic
Oil Length in %	28%

Note –Acid Value quoted relative to solid resin

#### PRODUCT INFORMATION

**SYNOLAC 92X(55%)** SYNOLAC 92X(55%) is a short oil oxidising alkyd resin ; which is made in combination with Pentaerythritol. SYNOLAC 92X(55%) is specially recommended for use in vehicle refinishing fast air drying and stoving paints applications. This resin is available in 55% solids. Particular advantages gained by using this resin include:

- Excellent colour and colour retention.
- Excellent Gloss and gloss retention.
- Rapid air drying.
- Good adhesion on metal surface.
- Good re-coat ability.

#### **Solubility:**

SYNOLAC 92X(55%) is completely soluble in aromatic hydrocarbons, ketones and esters. It does have very limited solubility in alcohols. It doesn't have solubility in aliphatic hydrocarbon.

**COMPATIBILITY :** SYNOLAC 92X(55%) is compatible with all short And some medium oil alkyd resins and also with amino resins especially amino resins which is having Xylene tolerance. It is not compatible with Long oil alkyds, chlorinated rubber, NC resins, and vinyl resins.

#### **Recommendations:**

In air drying systems 0.05%CO, 0.5%Pb, 0.1%Ca, calculated as metal on solid resins content are recommended in air drying systems.

**S.D. - 5 Mins.**  
**T.D. - 45-60 Mins.**  
**H.D. - O/N**

In low bake system recommended level of Melamine Formaldehyde is 5-15% on solid resin basis are added and then baked at 80c for forced bake industrial stoving finish.

#### **USES:**

SYNOLAC 92X(55%) is use for vehicle refinishes and fast drying Industrial finishes. It also goes in making of heavy duty primers.

**SYNOLAC 92X(55%)** 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.