

COATING RESINS

TECHNICAL DATA

SYNOLAC 82X(55%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	53 - 57
Viscosity in CPS at 25°C (Straight) (By Brookfield Viscometer spindle No.2 , 20 RPM)	2500 - 3500
Colour, Gardner scale (ISO 4630)	≤ 10 Gardner
Acid value, mg KOH/g (ISO 3682)	≤12

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 %	45%
Hydroxyl Equivalent Weight	909
Hydroxyl Content	1.87

Note –Acid Value and Hydroxyl Eq. Weight quoted relative to solid resin

PRODUCT INFORMATION

SYNOLAC 82X(55%) SYNOLAC 82X(55%) is a short oil oxidising alkyd resin ; which is modified with the combination of Pentaerythritol. SYNOLAC 82X(55%) is specially recommended for use in vehicle refinishing air drying and stoving paints applications. This resin can be use in two-pack applications. It is available in 55% solids. Particular advantages gained by using this resin include:

- Air drying, low bake and two-pack from a single base resin.
- Excellent colour and colour retention.
- Excellent Gloss and gloss retention.
- Good Surface and through drying.
- Good adhesion on metal surface.

Solubility:

SYNOLAC 82X(55%) is completely soluble in aromatic hydrocarbons, ketones and esters. It is having low solubility in aliphatic hydrocarbon and in alcohols. Solvents containing alcoholic groups are not used while using it for two-pack systems.

COMPATIBILITY : SYNOLAC 82X(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 compatible with isocyanate adduct resins. 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. - 15 Mins.

T.D. - 120 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.

In two-pack system recommended ratios are

	On Solid Basis	On Solution Basis
Syn 82X (55%)	909	1652
N - 75	191	255
AR - 75	243	324

USES:

SYNOLAC 82X(55%) is a ideal choice for industrial grade fast drying Enamel and undercoat. Small addition from 5 – 15% in xylene and some MTO based alkyds (except SYNOLAC 92X) can improve the drying. It also use for vehicle refinishes.

SYNOLAC 82X(55%) should only be used in applications consistent

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With the above recommendations. Proposals to use resin in other Way should be discussed with the Cray Valley before any action taken

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