

COATING RESINS

TECHNICAL DATA

SYNOLAC 75S(60%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C 58 - 62

Viscosity in CPS at 25°C (Straight)
(By Brookfield Viscometer Spindle No.4 RPM -----
20)

Reduced Viscosity in Secs. at 30°C (50% in 70 - 90
Mix Xylene) by Ford Cup B-4

Colour, Gardner scale ≤6 Gardner
(ISO 4630)

Acid value, mg KOH/g ≤12
(ISO 3682)

OTHER PROPERTIES

Volatile MTO/Xylene (2 :1)

Non-volatile content, % @ 150°C 60

Flash point, °C (ISO 3679) 30

Density at 20°C (ISO 2811) 0.98

Oil or Fatty Acid Type Linoleic

Oil Length in % 47%

Hydroxyl Equivalent Weight 890

Hydroxyl Content 1.91

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

PRODUCT INFORMATION

SYNOLAC 72S(55%) SYNOLAC 75S(60%) is a Medium oil oxidising alkyd resin ; which is modified with the combination of Pentaerythritol. SYNOLAC 75S(60%) is specially recommended for use in vehicle refinishing air drying and industrial paints applications. This resin can be used in two-pack applications. It is available in 60% solids. Particular advantages gained by using this resin include:

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

Solubility:

SYNOLAC 75S(60%) is completely soluble in aliphatic and aromatic hydrocarbons , ketones and esters. It is having low solubility in alcohols. Solvents containing alcoholic groups are not used while using it for two-pack systems.

COMPATIBILITY : SYNOLAC 75S(60%) is compatible with all Long and medium oil alkyd and amino resins especially with amino resins which is having high Turpentine tolerance.

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. – 10-15 Mins.

T.D. – 120 - 150 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 75S (60%)	890	1483
N - 75	191	255
AR - 75	243	324

USES:

SYNOLAC 75S (60%) is use for vehicle refinishes and fast drying industrial finishes it is also use in low bake forced drying type of products.

SYNOLAC 75S(60%) 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

CRAY VALLEY

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It is not compatible with short oil alkyds, chlorinated rubber, NC resins, and vinyl resins. It is also compatible with isocyanate adduct. Taken.