

COATING RESINS

TECHNICAL DATA

SYNOLAC 72S(60%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	58 - 62
Viscosity in CPS at 25°C (at 55% in MTO : Xylene 3 :1) (By Brookfield Viscometer Spindle No.4 RPM 20)	4000 - 5500
Colour, Gardner scale (ISO 4630)	≤ 10 Gardner
Acid value, mg KOH/g (ISO 3682)	≤15

OTHER PROPERTIES

Volatile	MTO/Xylene (3:1)
Non-volatile content, % @ 150°C	60
Flash point, °C (ISO 3679)	32
Density at 20°C (ISO 2811)	0.98
Oil or Fatty Acid Type	Linoleic
Oil Length in %	48%
Hydroxyl Equivalent Weight	1223
Hydroxyl Content	1.39

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

PRODUCT INFORMATION

SYNOLAC 72S(60%) SYNOLAC 72S(60%) is a Medium oil oxidising alkyd resin ; which is modified with the combination of Pentaerythritol. SYNOLAC 72S(60%) is specially recommended for use in vehicle refinishing air drying and industrial paints applications. This resin can be use 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(semi-Glossy,Matt) 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 72S(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 72S(60%) is compatible with all Long and medium oil alkyd and amino resins especially with amino 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 72S (60%)	1223	2038
N - 75	191	255
AR - 75	243	324

USES:

SYNOLAC 72S (60%) is use for vehicle refinishes and fast drying industrial finishes it is also use in low bake forced drying type of products.

SYNOLAC 72S(60%) should only be used in applications consisten With the above recommendations. Proposals to use resin in other

CRAY VALLEY

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which is having high Turpentine tolerance.
It is not compatible with short oil alkyds, chlorinated rubber, NC resins, and vinyl resins. It is also compatible with isocyanate adduct.

Way should be discussed with the Cray Valley before any action tak