

COATING RESINS

TECHNICAL DATA

SYNOLAC 72S(55%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	53 - 57
Viscosity in CPS at 25°C (Straight) (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	55
Flash point, °C (ISO 3679)	30
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(55%) SYNOLAC 72S(55%) is a Medium oil oxidising alkyd resin ; which is modified with the combination of Pentaerythritol. SYNOLAC 72S(55%) 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 55% 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(55%) 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(55%) is compatible with all Long and medium oil alkyd and amino resins especially with amino resins which is having high Turepentine 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. - 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 (55%)	1223	2224
N - 75	191	255
AR - 75	243	324

USES:

SYNOLAC 72S (55%) is use for vehicle refinishes and fast drying industrial finishes it is also use in low bake forced drying type of products.

SYNOLAC 72S(55%) should only be used in applications consisten With the above recommendations. Proposals to use resin in other Way should be discussed with the Cray Valley before any action tak

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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.

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UPC 99686

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