

COATING RESINS TECHNICAL DATA

SYNOLAC 6033X(60%)

SALES SPECIFICATION

Non-volatile content, % @ 150°C	58 - 62
Viscosity @ 30c (40% in Xylene) in secs. (By B-4 Ford Cup)	25 – 28 Secs.
Colour, Gardner scale (ISO 4630)	≤ 8 Gardner
Acid value, mg KOH/g (ISO 3682)	≤10

OTHER PROPERTIES

Volatile	Xylene
Non-volatile content, % @ 150°C	60
Flash point, °C (ISO 3679)	28
Density at 20°C (ISO 2811)	0.98
Oil or Fatty Acid Type	DCO
Oil Length in %	24%

Note –Acid Value quoted relative to solid resin

PRODUCT INFORMATION

Uses:

SYNOLAC 6003X(60%) SYNOLAC6033X(60%) is a short oil oxidising Styrene modified acrylated alkyd resin ; which is made in combination With Glycerol.
SYNOLAC 6033X(60%) is specially recommended to use in industrial Paints , V.fast air drying systems. It is also used to modify other resin's performance. This resin is available in 60% solids. Particular advantages gained by using this resin include:

- Excellent drying.
- Excellent solvent release.
- Excellent hardness.
- Excellent adhesion.
- Good colour retention.

Solubility:

SYNOLAC6033X(60%) is completely soluble in aromatic hydrocarbons, ketones and esters. It does have marginal solubility in alcohols like butanol, isopropanols and aliphatic hydrocarbons.

SYNOLAC 6033X(60%) exhibits very rapid air drying characteristics achieving touch dry times of the order of 10 minutes when mixed with 0.03 – 0.05% cobalt calculated as metal on resin solids. SYNOLAC 6033X is recommended for use in paint systems as the sole binder. Minor additions of antiskinning agents such as MEK oxime at a level of 0.4% On solid resin is suggested.

SYNOLAC 6033X(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 taken.

COMPATIBILITY : SYNOLAC 6033X(60%) is compatible with all short alkyd resins. It does have compatibility with all styrenated alkyds , maleic and phenolic resins. It is partially compatible with melamine Nitrocellulose.