SYNOLAC®

TECHNICAL DATA SHEET

SYNOLAC® 8236 X 55

Modified alkyd

PRODUCT APPLICATION DETAILS

SYNOLAC® 8236 X 55 is a short oil epoxy ester used in air drying and stoving primers and finishes for a wide variety of applications.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	53 - 57 %	ISO 3251
Viscosity (25°C)	1500 - 3200 mPa.s	ISO 3219
Color	6 max Gardner	ISO 4630
Acid value	6 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS[1]

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Flash point	26 °C	ISO 3679
Density	0.96 g/ml	ISO 2811
Fatty acid type	Linoleic rich	-
Modification	Epoxy ester	-

[1] The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS & APPLICATIONS

Coatings & Inks

- Industrial Coating
  - General Industry
  - Metal Exterior - Powder
  - Protective And Marine Coating

PERFORMANCE BENEFITS

- Excellent toughness and flexibility
- Excellent chemical resistance
- Good adhesion

SYNOLAC® 8236 X 55

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOLAC® 8236 X 55 is particularly suitable for use in air drying primers where good anticorrosive properties are essential and in automobile stoving primers where high performance in terms of adhesion and chemical resistance are desirable. The use of 5% - 15% of melamine resin on total resin content will give an increased rate of cure in stoving systems.

The excellent resistance of SYNOLAC® 8236 X 55 to acids and alcalis can be used to advantage in air drying and stoving finishes for application by spraying. Bronze finishing is one typical air drying application and paints for bicycle frames are typical of the use made of the resin in stoving finishes.

DRIERS

For air drying applications 0.04% cobalt, calculated as metal on solid resin, is recommended. In highly pigmented systems up to 0.1% calcium may be used. In stoving systems 0.01% cobalt or 0.02% manganese may be employed.
Depending on the formulation (clear, pigmented, thixotropic, etc...) and on the application, the loading of each drier may be increased or reduced in order to achieve the appropriate drying hardness profile.

SOLUBILITY

SYNOLAC® 8236 X 55 is soluble in aromatic hydrocarbons, ketones and esters. The resin has limited solubility in aliphatic hydrocarbons and alcohols.

COMPATIBILITY

SYNOLAC® 8236 X 55 is compatible with amino resins and some short oil alkyds.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOLAC® 8236 X 55 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided.
In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.

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