

# SYNOLAC® 8236 X 55

(FORMERLY E 20836)

GENERAL INDUSTRY

ARKEMA COATING RESINS

**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.

**Performance Benefits**

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

**Polymer Type**

- Solventborne Alkyd

<b>Sales Specifications</b>	Solid Content at 125°C, % (ISO 3251)	53 - 57
	Viscosity at 25°C, mPa.s (ISO 3219)	1500 - 3200
	Colour, Gardner scale (ISO 4630)	6 max
	Acid value, mg KOH/g (ISO 2114)	6 max

<b>Other Characteristics<sup>1</sup></b>	Volatile	Xylene
	Flash point, °C (ISO 3679)	26
	Density / Specific Gravity at 25°C, g/ml (ISO 2811)	0.96
	Type of fatty acid	Linoleic rich

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

<sup>1</sup> The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

## 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.

## Formulation Guidelines

SYNOLAC®

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & 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 6 months from the shipping date

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### Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - [arkemacoatingresins.com](http://arkemacoatingresins.com)

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