

# SYNOCURE® 9299 BA 70 (FORMERLY E 20599)

GENERAL INDUSTRY

ARKEMA COATING RESINS

## Product

### Application details

SYNOCURE® 9299 BA 70 is a hydroxy functional acrylic designed to crosslink at room temperature or forced air drying with polyisocyanates.

SYNOCURE® 9299 BA 70 is particularly recommended for all high performance industrial applications where high performance is required.

## Performance Benefits

- High gloss
- Excellent mechanical properties
- Excellent chemical resistance

## Polymer Type

- Solventborne Acrylic

## Sales Specifications

Solid Content at 125°C, % (ISO 3251)	68 - 72
Viscosity at 25°C, mPa.s (ISO 3219)	5000 - 7500
Colour, Hazen scale (ISO 6271)	35 max
Acid value, mg KOH/g (ISO 2114)	10 max

## Other Characteristics<sup>1</sup>

Volatile	Butyl acetate
Flash point, °C (ISO 3679)	24
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.036
Hydroxyl Content, %	4.5
Hydroxyl Equivalent weight	378

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

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

## Formulation Guidelines

### RECOMMENDATIONS FOR USE

SYNOCURE® 9299 BA 70 should be mixed with the selected polyisocyanate just prior to application. It is preferable to use stoichiometric ratios to obtain optimum performance.

The reaction ratio is calculated from the respective equivalent weight or hydroxyl and isocyanate content of the reactants. The relationship is:

$$\text{Hydroxyl equivalent weight} = \frac{17 \times 100}{\% \text{ OH}}$$

$$\text{Isocyanate equivalent weight} = \frac{42 \times 100}{\% \text{ NCO}}$$

Using Tolonate™ HDT-LV2 (1), the recommended ratios would be:

	on solid resin	as supplied
SYNOCURE® 9299 BA 70	378	540
Tolonate™ HDT-LV2 (1)	183	183

The pot life can be adjusted by adding catalyst as dibutyl tin dilaurate (0.01 to 0.05% based on solid acrylic resin).

Notes: (1) Vencorex Chemicals

# SYNOCURE®

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

SYNOCURE® 9299 BA 70 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 12 months from the shipping date

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### Arkema Coating Resins

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The logo for ARKEMA, with the word in a bold, sans-serif font. The 'A', 'R', 'K', 'E', and 'M' are in dark blue, while the 'A' at the end is in green.