

## TECHNICAL DATA SHEET

# SYNOCURE® 9260 BA 70

Acrylic polyol

### PRODUCT APPLICATION DETAILS

SYNOCURE® 9260 BA 70 is a high solid hydroxy functional acrylic designed to crosslink at room temperature or forced air drying with aliphatic polyisocyanates.

SYNOCURE® 9260 BA 70 is particularly recommended for use in vehicle refinishing, and for all high performance industrial applications where high performance is required.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	69 - 71 %	ISO 3251
Viscosity (25°C)	3500 - 5500 mPa.s	ISO 3219
Color	75 max Hazen	ISO 6271
Acid value	10 max mg KOH/g	ISO 2114

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate	-
Flash point	27 °C	ISO 3679
Density	1.01 g/ml	ISO 2811
Hydroxyl content	2.9 %	-
Hydroxyl equivalent weight	586	-

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

### MARKETS

#### Coatings & Inks

- Industrial Coating
  - Automotive - OEM
  - Automotive - Refinish
  - General Industry

### PERFORMANCE BENEFITS

- Fast drying
- Excellent hardness of film
- Excellent chemical resistance

# SYNOCURE® 9260 BA 70

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOCURE® 9260 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:

Hydroxyl Equivalent Weight =  $(17 \times 100) / \%OH$

Isocyanate Equivalent Weight =  $(42 \times 100) / \%NCO$

Using Tolonate® HDT-LV2 <sup>(1)</sup>, the recommended ratios would be:

- on solid resins: SYNOCURE® 9260 BA 70/Tolonate® HDT-LV2 <sup>(1)</sup> = 586/183

- as supplied: SYNOCURE® 9260 BA 70/Tolonate® HDT-LV2 <sup>(1)</sup> = 837/183

At normal temperatures, the surface drying time of varnishes based upon this combination is around 20 – 30 minutes, when we add 0.10-0.15 % of catalyst (based on solid acrylic resin). The catalyst used is dibutyl tin dilaurate.

Notes: <sup>(1)</sup> VENCOREX® Chemicals

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOCURE® 9260 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 from the shipping date.

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