

## TECHNICAL DATA SHEET

# SYNOCURE® 9228 S 60

Acrylic polyol

### PRODUCT APPLICATION DETAILS

SYNOCURE® 9228 S 60 9228 S 60 is a hydroxy functional acrylic designed to crosslink at room temperature or forced air drying with aliphatic polyisocyanates.

SYNOCURE® 9228 S 60 is particularly recommended for all high performance industrial applications where high performance is required especially vehicle refinishing.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	59 - 61 %	ISO 3251
Viscosity (25°C)	2000 - 2500 mPa.s	ISO 3219
Color	30 max Hazen	ISO 6271
Acid value	10 max mg KOH/g	ISO 2114

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

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate / Xylene / Aromatic solvent (boiling range 155°C - 181°C) (61:17:22)	-
Flash point	24 °C	ISO 3679
Density	1.02 g/ml	ISO 2811
Hydroxyl content	4.2 %	-

<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
  - Protective And Marine Coating

### PERFORMANCE BENEFITS

- Good gloss
- Excellent DOI
- Good outdoor durability
- Suitable for car refinishing clear coat and top coat

# SYNOCURE® 9228 S 60

## FORMULATION GUIDELINES

### RECOMMENDATIONS FOR USE

SYNOCURE 9228 S 60 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® 9228 S 60/Tolonate® HDT-LV2 <sup>(1)</sup> = /183

- as supplied: SYNOCURE® 9228 S 60/Tolonate® HDT-LV2 <sup>(1)</sup> = 675/183

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

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

SYNOCURE® 9228 S 60 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.

**Headquarters: Arkema France**  
51, Esplanade du Général de Gaulle  
92800 Puteaux – France  
T +33 (0)1 49 00 80 80

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