SYNOCURE®

TECHNICAL DATA SHEET

SYNOCURE® 9256 X 70 MY

Acrylic polyol

PRODUCT APPLICATION DETAILS

SYNOCURE® 9256 X 70 MY is a high solid medium hydroxy functional acrylic designed to crosslink at room temperature or forced air drying with aliphatic polyisocyanates.
SYNOCURE® 9256 X 70 MY is particularly recommended for high performance industrial applications especially where fast drying and tack free time are required.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	69 - 71	ISO 3251
Viscosity (25°C, mPa.s)	2000 - 3000	ISO 3219
Color (Hazen)	70 max	ISO 6271
Acid value (mg KOH/g)	8 - 12	ISO 2114

OTHER CHARACTERISTICS[1]

	CHARACTERISTICS	METHODS
Solvent	Xylene	-
Density (25°C, g/mL)	1.01	-
Hydroxyl content (%)	2.3	-
Hydroxyl equivalent weight	739	-

[1] 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 - Refinish
  - General Industry
  - Protective And Marine Coating
  - Wood Furniture

PERFORMANCE BENEFITS

- Very fast drying
- Low VOC
- Excellent applicative properties
- Excellent hardness of film
- Excellent chemical resistance
- Can be used for direct to metal application

SYNOCURE® 9256 X 70 MY

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOCURE® 9256 X 70 MY 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*100) / %OH
Isocyanate Equivalent Weight = (42*100) / %NCO
Using Tolonate™ HDT-LV2 (1), the recommended ratios would be:
- on solid resins: SYNOCURE® 9256 X 70 MY/Tolonate™ HDT-LV2 (1) = 739/183
- as supplied: SYNOCURE® 9256 X 70 MY/Tolonate™ HDT-LV2 (1) = 1056/183

At normal temperatures, we add 0.02 - 0.05 % of catalyst (based on solid acrylic resin) to achieve a pot life around 2-3 hours. The catalyst used is dibutyl tin dilaurate.

Notes: (1) VENCOREX® Chemicals

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOCURE® 9256 X 70 MY 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.

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