SYNOCURE®

TECHNICAL DATA SHEET

SYNOCURE® 9201 S 75 MY

Acrylic polyol

PRODUCT APPLICATION DETAILS

SYNOCURE® 9201 S 75 MY is a high solid hydroxy functional acrylic designed to crosslink at room temperature or forced air drying with aliphatic polyisocyanates.
SYNOCURE® 9201 S 75 MY is particularly recommended for all high performance industrial applications where high performance is required including vehicle refinishing.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C, %)	74 - 76	ISO 3251
Viscosity (25°C, mPa.s)	3000 - 4500	ISO 3219
Color (Hazen)	70 max	ISO 6271
Acid value (mg KOH/g)	7 - 10	ISO 2114

OTHER CHARACTERISTICS[1]

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate and EEP	-
Density (25°C, g/mL)	1.04	-
Hydroxyl content (%)	4.2	-
Hydroxyl equivalent weight	405	-

[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

PERFORMANCE BENEFITS

- Low VOC
- Excellent applicative properties
- Excellent hardness of film
- Excellent chemical resistance

SYNOCURE® 9201 S 75 MY

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOCURE® 9201 S 75 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® 9201 S 75 MY/Tolonate™ HDT-LV2 (1) = 405/183
- as supplied: SYNOCURE® 9201 S 75 MY/Tolonate™ HDT-LV2 (1) = 540/183

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® 9201 S 75 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.

Arkema Coating Resins Malaysia
PLO 491, Jalan Keluli, Pasir Gudang
Industrial Estate, 81700 Pasir Gudang,
Johor – Malaysia
T +60 7 253 6688

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