SYNOCURE 9277 S 65 MY

Hydroxyl Functional Acrylic, 4.2% OH **ARKEMA COATING RESINS**

Product Application details

SYNOCURE 9277 S 65 MY is a hydroxy functional acrylic designed to crosslink at room temperature or under low-bake conditions with aliphatic polyisocyanates. It is particularly recommended for use in vehicle refinishing, A.C.E., Transport coatings and Heavy Duty Coatings.

Performance Benefits

- Fast dry and good early hardness
- Good application properties
- Excellent mechanical properties
- Good weathering performance

Polymer Type

- Solventborne Acrylic

Sales Specifications

Solid Content at 125ºC, % (ISO 3251)	64 - 66
Viscosity at 25ºC, mPa.s (ISO 3219)	2500 - 4000
Colour, Hazen scale (ISO 6271)	100 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics[1]

Volatile	Butyl acetate : Xylene (3 : 1)
Density / Specific Gravity at 25ºC, g/ml (ISO 2811)	1.02
Hydroxyl Content, %	4.2
Hydroxyl Equivalent weight	400

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 9277 S 65 MY should be mixed with the selected polyisocyanate just prior to application. The mixing ratio is not critical although 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:

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

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

Using Tolonate™ HDB 75 MX (1), the recommended ratios would be:

	on solid resin	as supplied
SYNOCURE 9277 S 65 MY	400	615
Tolonate™ HDB 75 MX (1)	191	255

SOLUBILITY

The solvents chosen for paints and lacquers based on SYNOCURE 9277 S 65 MY used should be free from water and not contain groups that react with isocyanates. Esters and ketones are true solvents and are recommended for use in combination with aromatic hydrocarbon diluents such as xylene.

Notes: (1) Vencorex Chemicals

SYNOCURE®

Product Safety	Please refer to the corresponding Safety Data Sheet.
Storage & Handling	SYNOCURE 9277 S 65 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 Sdn. Bhd.
- 05/2023

Arkema Coating Resins Malaysia Sdn Bhd
PLO 491, Jalan Keluli, Pasir Gudang Industrial Estate,
81700 Pasir Gudang, Johor, Malaysia.
arkema.com - **arkemacoatingresins.com**