

SYNOCURE® 9207 S 60

(FORMERLY E20907)

ACE / PROTECTIVE & MARINE COATING / VEHICLE REFINISHING

ARKEMA COATING RESINS

Product

SYNOCURE® 9207 S 60 is a hydroxy functional acrylic designed to crosslink at room temperature or forced air drying with aliphatic polyisocyanates.

Application details

SYNOCURE® 9207 S 60 is particularly recommended for all high performance industrial applications where fast cure, high crosslinking density and chemical resistance are required.

Performance Benefits

- Fast cure
- Yellowing resistance
- Excellent weather resistance
- Very good chemical resistance
- Petrol resistance

Polymer Type

- Solventborne Acrylic

Sales Specifications

Solid Content at 125°C, % (ISO 3251)	59 - 61
Viscosity at 25°C, mPa.s (ISO 3219)	4500 - 7000
Colour, Hazen scale (ISO 6271)	100 max
Acid value, mg KOH/g (ISO 2114)	10 max

Other Characteristics¹

Volatile	Xylene : Butyl acetate (3:1)
Flash point, °C (ISO 3679)	26
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.01
Hydroxyl Content, %	4.5
Hydroxyl Equivalent weight (ISO 4629)	378

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® 9207 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:

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

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

Using Tolonate™ HDT-LV2 (1), the recommended ratios would be:

	on solid resin	as supplied
SYNOCURE® 9207 S 60	378	630
Tolonate™ HDT-LV2 (1)	183	183

At normal temperatures, an addition of 0.02 - 0.05 % of catalyst (based on solid acrylic resin) is necessary to achieve a pot life around 1 to 3 hours. The catalyst used is dibutyl tin dilaurate.

Notes: (1) Vencorex Chemicals

SYNOCURE®

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

SYNOCURE® 9207 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 12 months from the shipping date

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