# SYNOCURE® 9201 S 75

*(FORMERLY E20501)*

**GENERAL INDUSTRY**

## Product Application details

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

## Performance Benefits

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

## Polymer Type

- Solventborne Acrylic

## Sales Specifications

| | |
|---|---|
| Solid Content at 125℃, % (ISO 3251) | 74 - 76 |
| Viscosity at 25℃, mPa.s (ISO 3219) | 3000 - 4500 |
| Colour, Hazen scale (ISO 6271) | 70 max |
| Acid value, mg KOH/g (ISO 2114) | 7 - 10 |
| Clarity | Starbright |

## Other Characteristics[1]

| | |
|---|---|
| Volatile | Butyl Acetate / EEP |
| Flash point, ℃ (ISO 3679) | 38 |
| Density / Specific Gravity at 20℃, g/ml (ISO 2811) | 1.05 |
| Hydroxyl Content, % | 4.2 +/- 0.2 |
| Hydroxyl equivalent weight | 405 |
| Water content, ppm | 1000 max |

Note: Acid value and 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® 9201 S 75 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:

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

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

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

| | on solid resin | as supplied |
|---|---|---|
| SYNOCURE® 9201 S 75 | 405 | 540 |
| Tolonate® HDT-LV2 (1) | 183 | 183 |

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| | |
|---|---|
| | 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.<br><br>*Notes: (1) Perstorp* |
| **Product Safety** | Please refer to the corresponding Safety Data Sheet. |
| **Storage & Handling** | SYNOCURE® 9201 S 75 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C.<br>Exposure to direct sunlight should be avoided.<br>Under the above mentioned storage conditions the shelf life of the resin will be 12 months from the shipping date. |



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