

SYNOCURE 9237 S 70

Hydroxyl Functional Acrylic, 3.1% OH

Product Information

SYNOCURE 9237 S 70 is a hydroxyl functional acrylic resin designed to crosslink at room temperature with polyisocyanates.

SYNOCURE 9237 S 70 is particularly well suited for use in high quality compliant industrial coatings, marine coatings, heavy duty and protective coatings such as structural steelwork.

Outstanding properties of this acrylic resin are:

- Excellent chemical and stain resistance
- Economy in use
- Good durability
- Excellent adhesion

Sales Specification

Non-volatile content at 125°C, % (ISO 3251)	69 – 71
Viscosity at 25°C, mPa.s (ISO 3219)	2,000 – 3,000
Colour, Gardner scale (ISO 4630)	Max. 2
Acid value, mg KOH/g (ISO 2114)	Max. 10

Other Properties

Volatile	Solvesso 100 / Xylene
Density at 20°C, g/cm ³ (ISO 2811)	0.99
Hydroxyl Content, %	3.1
Hydroxyl Equivalent Weight (on resin solid)	550

Noted: Acid value & hydroxyl content quoted relative to solid resin

Recommendations for Use

SYNOCURE 9237 S 70 should be mixed just prior to application with the selected polyisocyanate. The mixing ratio is not critical although it is preferable to use stoichiometric ratios to obtain optimum performance.

SYNOCURE 9237 S 70 reacted with Tolonate HDT-LV2 ⁽¹⁾ in stoichiometric proportions has a usable pot life in excess of a full working day at normal room temperatures. The use of catalysts or higher temperatures will reduce this storage period.

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 9237 S 70	550	786
Tolonate HDT-LV2 ⁽¹⁾	182	182

SOLUBILITY

The solvents chosen for paints and lacquers based on **SYNOCURE 9237 S 70** should be free of water and should not contain groups which react with isocyanates.

Esters and ketones are true solvents for this type of system and are usually used with aromatic hydrocarbon diluents.

Notes: (1) Perstorp

Precautions for Use

Please refer to corresponding Safety Data Sheet.

Storage Recommendations

SYNOCURE 9237 S 70 should be stored indoors in the original containers in a dry place at temperature between 5°C and 30°C. Avoid exposure to direct sunlight or frost.

Shelf Life

Under the above mentioned storage conditions the shelf life of the resin will be 12 months.



The world is our inspiration

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