

TECHNICAL DATA SHEET

SYNOCURE® 9239 BA 65

Acrylic polyol

PRODUCT APPLICATION DETAILS

SYNOCURE® 9239 BA 65 is a hydroxy functional acrylated polyester designed for crosslinking at both ambient temperature and low stoving temperatures with suitable polyisocyanates. SYNOCURE® 9239 BA 65 is primarily intended for use in vehicle refinishing applications, both as a medium for excellent primer surfacers and for finishing coats. Its properties make also suitable for industrial primers, finishes for transport vehicles, car assembling or rigid plastics.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	64 - 66 %	ISO 3251
Viscosity (25°C)	4500 - 6000 mPa.s	ISO 3219
Color	100 max Hazen	ISO 6271
Acid value	10 max mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	Butyl acetate	-
Flash point	23 °C	ISO 3679
Density	1.04 g/ml	ISO 2811
Hydroxyl content	3.8 %	-

¹The 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 - OEM
 - Automotive - Refinish
 - General Industry
 - Protective And Marine Coating
 - Wood Furniture

PERFORMANCE BENEFITS

- Good body
- Quick physical drying
- Excellent resistance to chemicals and water
- Very good flexibility
- Very good exterior durability

SYNOCURE® 9239 BA 65

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOCURE® 9239 BA 65 is crosslinked preferably with aliphatic polyisocyanates like Desmodur® N 75 series ⁽¹⁾ and Tolonate™ HDB 75 MX ⁽²⁾ or Desmodur® N 3390 ⁽¹⁾. Compatibility is also given with aromatic types like Desmodur® L series ⁽¹⁾ or Desmodur® HL series ⁽¹⁾.

The reaction ratio is calculated from the respective equivalent weight or hydroxyl and isocyanate content of the reactants. The relationship is:

Hydroxyl Equivalent Weight = $(17 \times 100) / \%OH$

Isocyanate Equivalent Weight = $(42 \times 100) / \%NCO$

The cure response of SYNOCURE® 9239 BA 65 with polyisocyanates may be increased using suitable catalysts, like dibutyltin dilaurate. The use of catalysts will shorten the pot life of the paints. Typically 0.001% Sn (metal) may be added calculated on total resin content.

SYNOCURE® 9239 BA 65 shows a good pigment acceptance and very high gloss in appropriate topcoat formulations. Primers provide an excellent flexibility even at very high pigment content.

SOLUBILITY

SYNOCURE® 9239 BA 65 may be diluted with the commonly used solvents for polyurethane coatings, like esters, glycol ether esters and ketones, optionally in combination with aromatic hydrocarbons.

Notes: ⁽¹⁾ COVESTRO, ⁽²⁾ VENCOREX® Chemicals

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOCURE® 9239 BA 65 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 from the shipping date.

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