

TECHNICAL DATA SHEET

SYNOCURE® 7120 S 50

Acrylic polyol

PRODUCT APPLICATION DETAILS

SYNOCURE® 7120 S 50 is a hydroxy acrylic resin crosslinkable with polyisocyanates. SYNOCURE® 7120 S 50 has been developed to be used in varnishes and lacquers for furniture performing fast drying and hardening even with aliphatic polyisocyanates. SYNOCURE® 7120 S 50 provides in blend with aliphatic polyisocyanates yellowing resistance films and therefore is suitable to be used in white lacquers for kitchen cabinet. SYNOCURE® 7120 S 50 permits the formulation of clear glossy finishes with excellent polishing.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	49 - 51 %	ISO 3251
Viscosity (25°C)	3600 - 6300 mPa.s	ISO 3219
Color	100 max Hazen	ISO 6271
Acid value	5 - 10 mg KOH/g	ISO 2114

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Solvent	1:1 xylene : butyl acetate	-
Flash point	8 °C	ISO 3679
Density	1 g/ml	ISO 2811
Hydroxyl content	1.6 %	-

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS & APPLICATIONS

Coatings & Inks

- Industrial Coating
 - General Industry
 - Wood Furniture
 - Industrial Wood Finishes

SYNOCURE® 7120 S 50

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

SYNOCURE® 7120 S 50 is compatible with most of polyisocyanates.
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 = $(42 \times 100) / \%NCO$

SOLUBILITY

SYNOCURE® 7120 S 50 is completely soluble in aromatic hydrocarbons, esters, ketones and glycol ethers. Limited in aliphatic hydrocarbons and alcohols.

COMPATIBILITY

SYNOCURE® 7120 S 50 is compatible with most amino resins, nitrocellulose and cellulose acetate butyrate.

OTHER ADDITIVES

By adding UV-absorbers it is suitable for sealers and finishes for light veneers.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNOCURE® 7120 S 50 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.

Shelf Life (Months): 12

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