

Acrylic Polyol Resin for 2-Pack PU:

LC AP 893 SXB

Delivery Form:

70.0% [SXB]

Packing:

200kg net ms barrel

Applications:

A two-component system suitable for

- Wood coating
- Plastic, metal, and
- Heavy-duty maintenance and high-performance architectural and protective coatings. Application by roller, brush, or spray.

Principal properties:

- Cross-links with poly-isocyanates at room temperature.
- Excellent water, detergent, chemical resistance, and longer pot-life.
- Good adhesion, Weather-ability.
- Thermal stability <150°C beyond this yellowing occurs

Dilutability:

Use of moisture-free PUR grade solvents(<500ppm-moisture) recommended during application.

Xylene	complete
Toluene	complete
Solvesso 150	limited
2-Butoxy ethyl acetate	complete
Methyl-IsoButyl-Ketone	complete

Compatibility:

Desmodur N-75	good
Desmodur L-75	good
Basonat HB 175	good
Butylated MF /UF	good
TPA 4010	incomplete
Styrenated alkyd	complete
Long/short oil alkyds	limited

Recommendations on formulation and use:

Use of stoichiometric molar ratio of LC AP 893 SXB and hardener is necessary for the desired performance. Aromatic hardener Desmodur L-75 is used where exterior durability/non-yellowing is less important, but performance towards faster curing and good chemical resistance is desired. Aliphatic hardeners Desmodur N-75 are recommended for exterior durability and non-yellowing performance.

The following mixing ratio is recommended.

With Aromatic isocyanate adduct L-75:

LC AP 893 : L-75= 100.0g + 40.0g

With Aliphatic isocyanate (Bi-urate)N-75:

LC AP 893 : N-75= 100.0g + 32.50g

Catalyst Di-butyl tin laurate (1% in Toluene) on solids is recommended only in Desmodur N-75 for expediting curing performance.

Product Specification:

Property	Range	Unit
Viscosity, 25°C/GS	Z4- Z6	Gardner
Color, Hazen	50.0 max	APHA
Solids content	68.0 – 72.0	%
Appearance	Clear	-
Acid Value	08 – 10.0	mg KOH/g
Hydroxyl Value	95.0–105.0	mg KOH/g

Other product data:

Property	Value	Unit
Sp.gr @ 25°C	approx.. 1.02	g/m ³
Flash point	approx.. 24.0	°C
OH Eq.wt avg	590.0-539.0	g/eq
%OH content	3.03 +/- 0.15	%

Storage guidelines:

The resin should be stored indoors in the original, unopened, and undamaged containers in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.

Shelf Life:

Under the above-mentioned storage, the shelf life of the resin will be 9 months ex- works.

Material Safety:

A material safety data sheet of the product is available on request.

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