

Acrylic Resin:LC AP 892 BA

Delivery Form:

57.0% [BA]

Packing:

200kg net ms barrelApplications:

A two-component system suitable for

- Car refinishing coating
- Wood coating
- Plastic, metal, and
- Heavy-duty maintenance and high-performance architectural coatings.

Application: by roller, brush, or spray.

Principal properties:

- Cross-links with poly-isocyanates at RT and with amino resin at elevated temperature.
- Excellent water, detergent, and 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 30601	complete
Long/short oil alkyds	limited

Recommendations on formulation and use:

It is recommended for use in stoving paint by incorporating a suitable reactive butylated MF amino resin in the paint formulation.

Use of stoichiometric molar ratio of LC AP 892 BA and hardener is necessary for the desired performance in 2-pack PU. Aromatic hardener Desmodur L-75 is used where exterior durability/non-yellowing are 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 892 : L-75= 100.0g + 19.75g
With Aliphatic isocyanate (Bi-urate) N-75:LC AP 892 : N-75= 100.0g + 16.15g
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	Z1 – Z4	Gardner
Color, Gardner	01 max	Gardner
Solids content	56.0 – 58.0	%
Appearance	Clear	-
Acid Value	12.0 max	mg/KOH/g
Hydroxyl Value	50– 65	mg/KOH/g

Other product data:

Property	Value	Unit
Sp.gr @ 25°C	~1.02	g/m ³
Flash point	~ 40.0	°C
OH Eq.wt avg	863.0 – 1122.0	g/eq
%OH content	1.7 +/- 0.17	%

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 shelflife of the resin will be 9 months ex-works.

Material Safety:

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