

Cargill Altor® 202 polyaspartic ester

Product Description

Altor® 202 polyaspartic ester is a slow reacting, low-color, solvent-free, amine-functional co-reactant for polyisocyanates. Altor® 202 polyaspartic ester was developed for high-solids, two-component polyurethane and urea coatings. The Altor® products can be applied direct to metal as one-coat solutions in environments with low to moderate protection needs. For extreme environments, the polyaspartic coating can act as the intermediate and topcoat in one layer, increasing productivity and reducing operation costs.

Altor® 202 polyaspartic ester is generally used as a curing retardant, blended with either Altor® 200 or Altor® 201 products to obtain customized work and dry time characteristics. For polyaspartic products, humidity and substrate moisture control is crucial as water accelerates curing.

Applications

- Concrete coatings
- Infrastructure steel surfaces
- Railcar exterior coatings
- Cleanroom coatings
- Institutional coatings
- Flexible roof coatings
- Windmill coatings – towers & blades

Advantages

- Low color
- Low VOC
- UV and chemical resistant
- Compatible with many polyisocyanates and prepolymers
- Slow curing

Typical Properties

	TYPICAL VALUE	UNIT OF MEASURE
Color	60	APHA
Moisture	0.04	%
Viscosity @ 25°C	700-2000	cP
Density @ 25°C	8.84	lb/gal
Amine Value	192	mg KOH/g sample
Amine Equivalent Weight	290	AEW

Performance Properties

	TYPICAL VALUE 72°F / 25% REL. HUMIDITY	TYPICAL VALUE 75°F / 50% REL. HUMIDITY
Gel Time (min)	700	260
Work Time (min)	35	28
Dry time, tack-free (hr)	12	6
Dry time, walk-on (hr)	18	8
Hardness, 10 mil, 24 hr (König)	128	129
Hardness, 10 mil, 48 hr (König)	175	172

Note: Data is based on lab testing performed with HDI hexamethylene diisocyanate (NCO content 22.5-23.9%).

Example Custom Blend Properties

Altor® 201 / Altor® 202	70% / 30%	50% / 50%
Gel Time (min)	37	45
Work Time (min)	10	15
Dry time, tack-free (hr)	1	10
Dry time, walk-on (hr)	1.5	11

Note: Data is based on lab testing performed at 75°F / 50% relative humidity with HDI hexamethylene diisocyanate (NCO content 22.5-23.9%).

Compatibility

Altor® 202 polyaspartic ester is compatible with many polyisocyanates, however, compatibility testing prior to large-scale application is recommended to ensure safe use.

Packaging, Storage, and Handling

Product is available in drums and totes. Keep away from extreme heat, cold, and moisture. Please refer to the product's safety data sheet for shipping, safety, and handling.

Note: It is recommended that opened drums use a desiccant tube in the bleed bung and are covered with a nitrogen blanket if the drum will be stored as a partial for later use.

Shelf Life

The recommended shelf life is 12 months in unopened containers maintained at a proper storage temperature of 25°C.

Environmental and Safety

Please refer to the product's safety data sheet.

If you have further questions do not hesitate to **reach out to your local representative.**

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