

EVERSPARTIC 1520

Slow Curing Speed Amine-Functional Resin for
Polyaspartic, Polyurea, and Polyurethane Coatings

TYPICAL CHARACTERISTICS

Appearance.....	Colorless to Pale Yellow Liquid
Odor.....	Mild
Weight Per Gallon, Lbs @25°C.....	8.8
Flash Point, °C (PMCC).....	> 93
Viscosity @25°C, mPa-s.....	800 - 2000
Equivalent Weight, Avg. (As Supplied)	292

COMPATIBILITY

Everspartic 1520 is an amine-functional resin whose chemical structure provides a unique reactivity with polyisocyanates. Polyaspartic coatings can be produced with reactivity and gellation speeds from about 15 minutes to two hours or more, depending on ambient and substrate temperatures. Higher temperatures speed the curing of a film, while lower temperatures result in a slower curing speed. Humidity also plays an important role.

Everspartic 1520 can be used by itself or in combination with other polyaspartic resins such as Everspartic 1420. Also, Everspartic 1520 can be used with other hydroxy-functional acrylic resins to achieve special application and performance characteristics in either clear or pigmented systems.

APPLICATIONS

Everspartic 1520 is designed for use in high-performance, fast-cure, low VOC, low-odor coatings for application when properly formulated over a variety of substrates. Applications for polyaspartic coatings include use on concrete, metal, and wood, with and without primer, when properly formulated. Excellent intercoat adhesion also allows application on epoxy and polyurethane. An outstanding attribute of polyaspartic coatings is in one-coat applications that are labor-efficient for the applicator.

Polyaspartic coatings are easy to apply, are durable against weathering, are non-yellowing, and provide excellent gloss retention. Polyaspartic coatings can be modified and formulated to meet specific requirements of application, including cure-time, viscosity, film-build, and corrosion resistance.

EVERCHEM SPECIALTY CHEMICALS

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KEY FEATURES

Slowest Reacting Teraspartic® Polyaspartic Amine

For Application on Concrete, Metal, and Wood

Easy to Formulate at a Ratio of 2:1 by Volume (Amine to Isocyanate)

For Topcoat Application Over Epoxies, Polyurethanes, and Other Coatings Systems

Excellent Durability and Gloss Retention

Can be Used in Combination with Other Hydroxy-Functional Acrylic Resins

RECOMMENDED USE LEVELS

Everspartic 1520 must be tested in both your laboratory and later in field trials before commercial use to determine the best formulation and suitability for use and application. Everchem's technical service personnel are available to answer formulating questions. Recommended starter formulations are available upon request for specific applications.

SAFETY, STORAGE, AND HANDLING

Consult MSDS before use. Store Everspartic 1520 in tightly sealed containers. Prevent contact with moisture and excess humidity. Once opened, any remaining Everspartic 1520 in the container is best stored under dry nitrogen blanketing. Store, transfer, and handle under a nitrogen blanket. Replace damaged gaskets on drums or totes. Keep storage temperatures at 0°C - 40°C (32°F - 104°F).

Shelf life of Everspartic 1520 is 6 months from date product is shipped by Everchem and then maintained in original closed containers and stored in proper storage conditions at 25°C (75°F). For repackaging, use containers that will prevent moisture contamination.

CONTAINER SIZES

5 gallon pails (18 Kg/40 Lb)

55 gallon drums (200 Kg/441 Lb)

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