



TERASPARTIC® 295

Low-Viscosity Amine-Functional Modifying Resin for
Polyaspartic, Polyurea, and Polyurethane Coatings Requiring Extra Long Working Time

TYPICAL CHARACTERISTICS

Appearance	Clear Liquid
Odor	Mild
Weight Per Gallon, Lbs @25°C	8.8 ± 0.1
Flash Point, °C (PMCC)	133
Viscosity @25°C, mPa.s	50 - 200
Equivalent Weight, Avg. (As Supplied)..	295

COMPATIBILITY

Teraspartic® 295 is an amine-functional resin whose chemical structure provides a unique reactivity with polyisocyanates and pre-polymers. Polyaspartic coatings based on Teraspartic® 295 can be produced with reactivity and gellation speeds from about 50 minutes to 60 minutes or more, depending on ambient and substrate temperatures, longer than any other polyaspartic amine. Higher temperatures speed the curing of a film, while lower temperatures result in a slower curing speed. Humidity also plays an important role.

Teraspartic® 295 is recommended for use in combination with other polyaspartic resins such as Teraspartic® 277 and 292. Also, Teraspartic® 295 can be used with other hydroxy-functional acrylic resins to achieve special application and performance characteristics in either clear or pigmented systems.

Teraspartic® 295 in combination with Teraspartic® 277 and 292 can be formulated with Terachem® 53-Polyaspartic Colorants to achieve bright, long-lasting, and appealing colors for a complete line of polyaspartic coatings products.

APPLICATIONS

Teraspartic® 295 represents the latest in Pflaumer technology for polyaspartic coatings where extra working time is required, as much as 50 - 60 minutes or even longer, when properly formulated. The product provides extraordinary flow and leveling due to its extremely low viscosity and promotes flexibility in the coating film. Teraspartic® 295 is designed for use in high-performance, slow-cure, low VOC, low-odor polyaspartic coatings for application when properly formulated for use over a variety of substrates. Applications for polyaspartic coatings include use on concrete, metal, and rubber, 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, show

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minimal 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.

FEATURES

Low Viscosity

Provides Flexibility

For Application on Concrete, Metal, and Rubber when properly formulated

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

For Clears and Pigmented Systems in combination with Terachem® 53-Polyaspartic Colorants

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

PROUDCT USES (For professional use only. Not intended for retail sales.)

Teraspartic® 295 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. Pflaumer's technical service personnel are available to answer formulating questions. Recommended starter formulations are available upon request for specific applications.

OTHER PFLAUMER PRODUCTS FOR THE FORMULATOR

Pflaumer offers other products for formulating 2K coatings:

Terachem ® 53-Colorants	37 Ready-to-use pigment dispersions for 2K polyurethanes and polyaspartics, including color packs for on-site use
Teracure ® Aliphatic Polyisocyanates	Complete line of HDI-based trimer isocyanates
Teraspartic ®Polyaspartic Amines	For slow, medium, and fast curing
Terachem® 53-2371	Aluminum Oxide Nano-Dispersion for 2K polyaspartics
Tallicin ®1500	Flow and leveling modifier
Tallicin® A-140	Low-viscosity reactive diluent for polyaspartics and polyurethanes
Tallicin ®4000	Bubble-release, agent and flow/leveling modifier for high-solids polyurethanes
Tallicin ® 4040	Bubble-release, flow and leveling modifier for solvent-free polyaspartics and polyurethanes
Tallicin ®4600	Stabilized Tin Catalyst for Polyurethanes

SAFETY, STORAGE, AND HANDLING

Consult MSDS before use. Store Teraspartic® 295 in tightly sealed containers. Prevent contact with moisture and excess humidity. Once opened, any remaining Teraspartic® 295 in the

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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 - 30°C (32°F - 86°F).

Shelf life of Teraspartic® 295 is 6 months from date product is shipped by Pflaumer 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)