



## TERASPARTIC® 292

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

Teraspartic® 292 is an amine-functional resin whose chemical structure provides a unique reactivity with polyisocyanates. Polyaspartic coatings can be produced with reactivity and gelation 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. Teraspartic® 292 can be used by itself or in combination with other polyaspartic resins such as Teraspartic® 277. Also, Teraspartic® 292 can be used with other hydroxy-functional acrylic resins to achieve special application and performance characteristics in either clear or pigmented systems. Formulations with Terachem® 53-Polyaspartic Colorants can achieve bright, long-lasting, and appealing colors for a complete line of coatings products.

### APPLICATIONS

Teraspartic® 292 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.

### FEATURES

Slowest Reacting Teraspartic® Polyaspartic Amine

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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  
 For Clears and Pigmented Systems in combination with Terachem® 53-Polyaspartic Colorants  
 Can be Used in Combination with Other Hydroxy-Functional Acrylic Resins

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

Teraspartic® 292 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 ®53-2242                    | Anti-sag additive for 2K polyaspartics  |
| Terachem ®53-2371                    | Aluminum Oxide Nano-Dispersion for 2K polyaspartics   |
| Tallicin ®1500                       | Flow and leveling modifier  |
| Tallicin ®3000                       | Pot life extender for trimer-type isocyanates used in 2K 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® 292 in tightly sealed containers. Prevent contact with moisture and excess humidity. Once opened, any remaining Teraspartic® 292 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 Teraspartic® 292 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.

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## **CONTAINER SIZES**

5 gallon pails (18 Kg/40 Lb)

55 gallon drums (200 Kg/441 Lb)

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