



TERAMINE[®] 72

Fast-Cure, Benzyl-Free, Chemical- & Moisture-Resistant Hardener for Epoxies

TYPICAL CHARACTERISTICS

Appearance	Clear liquid
Flash Point (TCC)	113° C (235° F)
Amine Value, mg/KOH g	375-395
Color Gardner	<2G
Equivalent Weight (AHEW)	73
Density (20°C.), Lb/Gal	8.35 ± 0.15
Recommended Use Level (phr)	38
Gel Time (Minutes)	15
Viscosity (cps)	100 - 450

COMPATIBILITY

TERAMINE[®] 72 is a unique solvent-free amine curing agent for epoxy-based coatings. It is recommended to cure Bis A- and Bis F-type high solids epoxies modified with reactive diluents.

APPLICATIONS

TERAMINE[®] 72 boasts excellent resistance to chemicals and moisture. Thanks to its benzyl alcohol-free formulation, it adheres readily to both damp and dry concrete. It offers fast-setting cure times at both ambient and low temperatures with good flow and leveling, often allowing for same-day return to service. Epoxy coatings formulated with TERAMINE[®] 72 show high gloss, low color, good color stability, and excellent overall appearance.

These qualities allow TERAMINE[®] 72 to perform exceptionally when used in moisture vapor barriers for industrial flooring. Floors that use TERAMINE[®] 72 resist common failures attributable to water permeating the base concrete layer, such as blistering, adhesive degradation, and mold/fungal growth. Thus, these floors maintain both their aesthetic appearance and top layer integrity for a significantly extended period of time, helping to save money on repair costs and prevent hazardous situations from arising.

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Outside of flooring applications, TERAMINE® 72 can be used in inner coatings for pipes, tanks, and containers. Its resistance to chemical corrosion extends the life of the machinery and receptacles it's applied to. TERAMINE® 72 offers strong adhesion to metals, too, making the application process simple and effective.

FEATURES

Excellent chemical and moisture resistance

Adheres readily to dry and damp concrete and metals

Fast-curing, potentially allowing for same-day return to service

Low-temperature curing

High solids and solvent-free formulations

High gloss and good color retention

Low viscosity

Benzyl alcohol-free

RECOMMENDED USE LEVELS

TERAMINE® 72 can be formulated for 2:1 by volume ratio with Bis A epoxy resins, though its 38 phr value allows the formulator some flexibility in the final mix ratio. This allows the formulator to offer high-quality, low-cost alternatives to typical epoxy coatings product lines with the added benefit of excellent application properties.

SAFETY, STORAGE, AND HANDLING

Consult SDS before use for safety and handling precautions. Store TERAMINE® 72 in tightly sealed containers, and prevent contact with moisture, excessive heat, and excess humidity. Shelf life is 12 months from date of manufacture. Do not freeze.

CONTAINER SIZES

5 Gallon Pail (40 Lbs.)

55 Gallon Drum (441 Lbs.)

275 Gallon Tote (2,205 Lbs.)

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PFLAUMER PRODUCTS FOR HIGH-PERFORMANCE COATINGS

Pflaumer offers a wide variety of products to formulate high-performance coatings:

TERAMINE® Hardeners for Epoxies	A wide variety of hardeners for fast-cure, medium-cure, and slow-cure 2K epoxies
TERACHEM® 53-Colorants	Ready-to-use pigment dispersions of masstones and tints for 2K epoxies, polyurethanes and polyaspartics
TERACURE® Aliphatic Polyisocyanates	Complete line of HDI-based trimer and biuret isocyanates
TERASPARTIC® Polyaspartic Amines	A variety of aspartic amine resins to provide slow, medium and fast curing options.
TERACURE® Aromatic Polyisocyanates	MDI-based aromatic isocyanates for polyureas and urethanes
TERACHEM® Polyols	Specialty polyols for urethane coatings
TERACHEM® Reactive Diluents	TERACHEM® A-140 for polyurea and polyaspartic systems
TERAFLEX® Non-Reactive Diluents	TERAFLEX® DME-200 for polyaspartics, polyurethanes, and polyureas
TERACHEM® Moisture Scavengers	Molecular sieve pastes for polyaspartics, polyurethanes, and other applications
Intermediates and Modifiers	TERAMINE® A-136 cycloaliphatic secondary di-amine for polyaspartics, epoxies, and polyureas; TERACHEM® cycloaliphatic amines (PACM, MACM) for epoxies; TALLICIN® 3001 extends pot life for urethanes and polyaspartics
TALLICIN® Wetting Agents, Dispersants, and Grinding Resins	A wide range of surfactants, wetting agents, and dispersants for both solvent-based and water-based formulations; TALLICIN® acrylic and modified-acrylic grinding resins
TALLICIN® Surface Tension Agents	A variety of bubble-release, flow and leveling modifiers for solvent-free polyaspartics, epoxies, and polyurethanes
TALLICIN® Catalysts	Tin-based catalyst for polyurethanes

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