

TALLICIN® 4055

Bubble-release, Flow and Leveling Agent for
Solvent-free Polyaspartics, Polyurethanes, and Epoxies

TYPICAL CHARACTERISTICS

Appearance	Opaque Liquid
Weight Per Gallon, Lbs	7.51
Flash Point, °C (PMCC)	88
Active, %	50

COMPATIBILITY

Tallicin® 4055 is a bubble-release and flow and leveling agent for 2K polyaspartics, polyurethanes, and epoxies. Tallicin® 4055 is designed for use in primers and topcoats, both clear and pigmented, including high-solids and solvent-free formulations. Tallicin® 4055 can also be used with polyester, acrylic, alkyd, and chlorinated rubber systems.

APPLICATIONS

Tallicin® 4055 is recommended solvent-free polyaspartics, polyurethanes, and epoxies used for concrete floor coatings, particularly those with dry film thickness greater than 10 mils. Tallicin® 4055 contributes to bubble-release, flow, and leveling when the coating is applied onto concrete floors with squeegees and then back-rolled. Tallicin® 4055 helps to minimize both macro bubbles and micro bubbles. In addition, Tallicin® 4055 promotes the elimination of pinholes and craters that cause coating failures and customer dissatisfaction.

KEY FEATURES

- Extremely effective bubble release additive for polyaspartic, polyurethane, and epoxies
- Designed for thick films greater than 10 mils.
- Improves flow and leveling
- Acts to minimize surface defects, including pinholes, craters, and orange peel

RECOMMENDED USE LEVELS

Normal use level for Tallicin® 4055 is 0.1% to 2.0% based on total formulation weight. Tallicin® 4055 should be carefully tested before use to determine its suitability and effectiveness in a formula. Mix well before use. Best practice is to mix pails on a shaker and mix drums on a roller. Tallicin® 4055 should be added to the polyol, polyaspartic amine or epoxy resin side of the 2K coating system.

SAFETY, STORAGE, AND HANDLING

Consult MSDS before use. Store Tallicin® 4055 in tightly sealed containers. Prevent contact with moisture and excess humidity. Once opened, any remaining Tallicin® 4055 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 15°C - 40°C (59°F - 104°F).

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Shelf life of Tallicin® 4055 is 12 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.

OTHER PFLAUMER PRODUCTS FOR HIGH-PERFORMANCE COATINGS

Pflaumer offers other products for formulating 2K coatings:

Terachem® 53-Colorants – Ready-to-use pigment dispersions for 2K polyurethanes, epoxies, and polyaspartics, including color packs for on-site use

Teracure® Aliphatic Polyisocyanates

Teraspartic® Polyaspartic Amines

Terachem® 53-2242 – Anti-sag additive for 2K polyaspartics

Terachem® 53-2371 – Aluminum Oxide Nano-Dispersion for 2K polyaspartics

Terachem® 53-4368 – Aluminum Oxide Nano-Dispersion for 2K epoxies

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 agent and flow/leveling modifier for high-solids polyaspartics

Tallicin® 4600 – Stabilized Tin Catalyst for Polyurethanes

CONTAINER SIZES

5 Gallon Pail (35.2 Lb/16 Kg)

55 Gallon Drum (397 Lb/180Kg)

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08/11/16