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DATA SHEET

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TALLICIN® 4610

Stabilized Catalyst for 3K Polyurethane Polymer Concrete

TYPICAL CHARACTERISTICS

Appearance. Light Yellow, Clear Liquid
Weight Per Gallon, Lbs. 9.50
Active Ingredient, % 100

COMPATIBILITY

Tallicin® 4618 is a specially formulated catalyst designed to control the speed of cure in a 3K polyurethane polymer concrete, where part A is the polyol, part B is the isocyanate, and part C is concrete (composed of cement, lime, and sand). Tallicin 4610 is incorporated into Part A of polyurethane polymer concrete. The product is stabilized for use in a water-based system.

APPLICATIONS

Tallicin® 4610 is used to promote curing of polyurethane polymer concrete systems where conditions of application require a boost in reactivity.

KEY FEATURES

Moderate-acting catalyst for 3K polyurethane polymer concrete offering good pot life.
Catalyzes water-based urethane polymer concrete reactions to provide excellent return-to-service.
Stable in aqueous systems.
Effective in pigmented formulations.

RECOMMENDED USE LEVELS

The proper use level will depend on the formulation employed, but a use level of Tallicin® 4610 in the range of 0.05% to 0.50% of the part A (polyol) is generally effective. Higher levels may be necessary under certain conditions of application. The appropriate level of addition for Tallicin® 4610 must be evaluated thoroughly for commercial use. Mix thoroughly upon incorporation into the polyol as Part A of the system.

Pflaumer's Research and Development effort includes the composition of Part C, which consists of Portland cement, lime, and sand. The selection and specifications of each component are critical to the performance outcome of the total system.

SAFETY, STORAGE, AND HANDLING

Consult MSDS before use. Store Tallicin® 4610 in tightly sealed containers. Keep storage temperatures at 15°C - 40°C (59°F - 104°F).

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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
- Teraspatic® Polyaspartic Amines
- 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 – Deaerator, bubble-release, flow and leveling modifier for solvent-free polyaspartics and polyurethanes
- Tallicin® 4600 – Stabilized Tin Catalyst for Polyurethanes

Pflaumer also offers a complete line of products for three-component polyurethane polymer concrete, including:

- Teraflex® 88-Colorants – 10 Ready-to-Use Pigment Dispersions for 3K Polyurethane Polymer Concrete Formulations Plus Custom Colors
- Teracure® M-60 – Aromatic Polyisocyanate for Part B Urethane Polymer Concrete
- Tallicin® E-26 – Emulsified Polyol for Part A Urethane Polymer Concrete
- Tallicin® 4610 – Stabilized Catalyst for 3K Polyurethane Polymer Concrete
- Tallicin® 4040 – Bubble-release agent and flow/leveling modifier for Water-Based Polyurethane Polymer Concrete

CONTAINER SIZES

- 5 Gallon Pail (35 Lb/15.9 Kg)
- 55 Gallon Drum (400 Lb/181.4 Kg)

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