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No. 364

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Specification



TIAH®

NON-YELLOWING ACRYLIC CURING AND SEALING COMPOUND

Description

TIAH Acrylic Concrete Curing and Sealing Compound is an acrylic polymer solution that dries to a transparent film, which improves abrasion resistance of the concrete. TIAH provides a tough, clear film that will not after-yellow. It also provides improved weather and stain resistance, combined with a dustproof sealer. TIAH meets maximum VOC content limits of 700 g/L for Concrete Curing and Sealing Compounds as required by the U.S. EPA Architectural Coatings Rule.



Uses

TIAH is used on driveways, patios, industrial floors, loading docks, swimming pool areas and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired (dries to a low medium sheen).

TIAH offers improved resistance to rain, sun, freezing temperatures, stains, most acids and industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents) and caustics, as well as airborne soot, dust and other pollutants.

Packaging

1 gallon (3.79 Liter) Cans

5 gallon (18.93 Liter) Pails

55 gallon (208.20 Liter) Drums

SPECIFICATIONS

- ASTM C 309, Type 1, Classes A & B
- AASHTO M 148, Type 1, Classes A & B
- ASTM C 1315, Type I, Class A
- Dried film is USDA Accepted

FEATURES AND BENEFITS

- Applies easily...dries to the touch in 30-60 minutes
- Provides a clear, tough, easy-to-clean film which improves abrasion and stain resistance
- Offers improved resistance to rain and sun, freezing temperatures, most acids and

industrial chemicals, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), caustics, airborne soot, dust and other pollutants

- Offers excellent foot or vehicular traffic wearing qualities
- Recoat after thorough surface cleaning to restore the original beauty
- Concrete sealed with TIAH can later be painted (consult reputable paint manufacturer for compatibility) or covered with resilient flooring or carpeting, if desired
- Dried film is USDA Accepted
- VOC compliant...meets the U.S. EPA Architectural Coatings Rule requirements

Coverage

300-600 sq. ft./gal. (7.37-14.73 sq. m/L), depending on surface finish

*Coverage may vary due to porosity and condition of the concrete

APPLICATION

Surface Preparation...*Existing Concrete:* Concrete surfaces must be clean and dry with all stains, oil, grease, dust and dirt removed prior to application. We recommend ULTRITE® DEGREASER from W. R. MEADOWS for cleaning. *New Concrete:* TIAH should be applied when surface water has completely disappeared and the concrete surface will not be marred by walking workmen.

Application Method...Use a sprayer or short-nap roller to apply a uniform film. Avoid puddling in low areas...if puddles occur, brush or roll them out. A standard industrial-grade sprayer, equipped with a neoprene hose and gaskets, as well as a 9505-E spray tip (or equivalent) is recommended for best results.

For optimum performance, apply first coat at 600 sq. ft./gal. After the first coat has thoroughly dried, apply a second coat at 600 sq. ft./gal. NOTE: The second coat should be applied at a right angle.

Drying Time...TIAH dries quickly. Drying times may be extended depending on application rate, temperature, humidity and project conditions. Restrict foot traffic for at least four hours... 12 hours is preferable.

Clean up...Application equipment should be cleaned promptly after use with Xylene or Toluene.

PRECAUTIONS

DO NOT DILUTE. FOR EXTERIOR APPLICATION ONLY. Surfaces treated with TIAH may become slippery under certain conditions.

TIAH should not be applied during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which does not allow the film to form properly. Under these conditions, the film may peel, bubble and/or turn white (blush). TIAH should not be applied to concrete exposed to excessive moisture. Entrapped moisture in a solvent-based sealer may cause the film to peel and/or turn white (blush).

Do not apply TIAH if the temperature of the concrete is below 40°F (4°C). TIAH may be used on colored concrete, but mottling may occur. Do not use on dense or non-porous surfaces, i.e. brick, stone, etc. Do not use TIAH as a waterproofing sealer on masonry surfaces.

TIAH is a membrane-forming sealer. All membrane-forming sealers may darken the concrete or magnify imperfections caused by variations in the porosity of the concrete. Concrete containing calcium chloride will remain dark longer when treated with TIAH. A small patch test is recommended. Concrete floors properly cured with TIAH meet section 8.9 "Adhesion of Tile Cements" of ASTM C 1315. For other specifications, secure the approval of the paint or resilient flooring manufacturer before applying TIAH. The specifier and user shall determine the suitability of product for specific applications and assume all responsibility in connection therewith.

HEALTH HAZARDS

Avoid direct contact with this product, as it may cause irritation of the eyes and/or skin. Inhalation of vapors may result in transient central nervous system depression. TIAH is combustible. (Flash point: 105 degrees F.)

TIAH should not be utilized in locations where food items are present. Refer to Material Safety Data Sheet for complete health and safety information.

This material last updated July, 2004.

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LIMITED WARRANTY

"W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order." Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.