



Atlas Minerals & Chemicals, Inc.



DATA SHEET

4-90PI (10-02)

Supersedes 4-90PI (7-99)

CHEMPRUF TIE-COAT

DESCRIPTION AND TYPICAL USES

CHEMPRUF TIE-COAT is an interfacing primer designed for bonding new polyester and vinyl ester glass flake coatings or fabric reinforced linings to existing polyester or vinyl ester resin systems. CHEMPRUF TIE-COAT is also used as an interfacing barrier coat between epoxy or furan resin substrates and CHEMPRUF polyester and vinyl ester resin systems.

PACKAGING AND COVERAGE

1-Gallon Unit (8 lb. 2 oz. [3.7 kg.]) Consisting of:

One - 1-qt. can of Component A (1 lb. 10 oz. [737 g.]

One - 1-gal. can of Component B (6 lb. 8 oz. [2.9 kg.]

Coverage: Approx. 600 sq. ft. (55.7 m²)

MIXING AND APPLICATION OF THE CHEMPRUF TIE-COAT

Wipe surface clean of all contaminants, such as oil, dirt and dust to expose neat resin. Use a mild detergent if necessary. Lightly sand the surface to be repaired, again removing all dust.

Combine one part of CHEMPRUF TIE-COAT Component A with four parts of CHEMPRUF TIE-COAT Component B, by weight, or one part of component A with five parts of component B, by volume. Mix until uniform. Allow mixture to stand 30 minutes before application to substrate. Apply a thin coat to substrate with brush or short nap roller. Allow CHEMPRUF TIE-COAT to cure for a minimum of 2 hours at ambient temperature before application of CHEMPRUF Lining System. Complete cure has occurred when hard to fingernail. Actual cure times will vary depending on temperature and humidity conditions. If CHEMPRUF TIE-COAT has cured for more than 24 hours, a new application of CHEMPRUF TIE-COAT must be made before applying the new lining.

To ensure maximum performance of CHEMPRUF TIE-COAT bonding system, the following precautions should be taken:

1. Protect CHEMPRUF TIE-COAT Components A and B from exposure to moisture. Reseal opened containers and keep tightly sealed.
2. For best results, temperature should be approximately 70°F (21°C) to 75°F (24°C) and relative humidity approximately 50% to 60%. Do not apply if temperature is below 55°F (13°C) or higher than 90°F (32°C).

3. Humidity must be between 40% and 85%.
4. Do not apply in direct sunlight.
5. Conduct small scale tests to determine if conditions are suitable for use of CHEMPRUF TIE-COAT in a particular application, i.e. surface cleanliness and profile, ambient temperature and humidity, etc.
6. Pot life of CHEMPRUF TIE-COAT is approximately 12 hours at 80°F (27°C). Discard after this time.

PRODUCT SPECIFICATION

The system shall be CHEMPRUF TIE-COAT as manufactured by Atlas Minerals & Chemicals, Inc.

CLEANING OF THE TOOLS AND EQUIPMENT

Solvents, such as methyl ethyl ketone, toluene or xylene, will remove the materials referred to in this Data Sheet from mixing tools and equipment if cleaning is done immediately after use. If the material has been allowed to cure, tools may be soaked in methyl ethyl ketone.

Dispose of residues and wastes in accordance with the directions in the Material Safety Data Sheets and government regulations.

PRECAUTIONS

The materials referred to in this Data Sheet are for Industrial Use Only. They contain materials that present handling and potential health hazards. Consult Material Safety Data Sheets and the container labels for complete precautionary information.

TECHNICAL SERVICES

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with the use of ATLAS products. In the event of difficulties with the application of ATLAS materials, the installation should be stopped immediately and ATLAS' Technical Service Department consulted for assistance.

WARRANTY

ATLAS warrants that its products will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date of shipment by ATLAS (provided the products are installed before the expiration of the shelf life). THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR THE PURPOSE FOR THIS PRODUCT WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ATLAS' LIABILITY FOR ALLEGED BREACH OF THIS

WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT (BUT NOT INCLUDING REMOVAL OF THE DEFECTIVE PRODUCT OR INSTALLATION OF REPLACEMENT PRODUCTS). ATLAS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DURING THE WARRANTY PERIOD OR THEREAFTER. **ATLAS' WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL.**