DESCRIPTION

Watershield 100 is a pure polyurea waterproofing elastomer exhibiting high tensile strength and very high elongation (> 1000%) to bridge stress cracks in concrete and other substrates. It contains no tar, asphalt, or VOC’s. Watershield 100 is unaffected by moisture or freezing temperatures during application. It can be walked on in minutes and usually back-filled in less than one hour.

Watershield 100 is an excellent choice of elastomer to topcoat Geotextile fabrics for subgrade primary or secondary containment.

FEATURES

• 100% solids. No solvents, no VOC’s
• Fast set: Handle within fifteen minutes or less
• Hydrophobic and therefore affected very little by damp, cool surfaces during application. It can be built up to any thickness in one application
• High temperature stability up to 200° F (93 °C) with intermittent temperatures up to 250° F (121 °C)
• High elongation for crack bridging
• Excellent encapsulation characteristics

RECOMMENDED USES

• New or existing subgrade slabs, walls, etc.
• Buried earthen containment lining used with or without geotextile
• Rock shield for pipelines
• Liner for ponds, lagoons, reservoirs, dikes, irrigation ditches, tunnels, barges, etc.
• Rust encapsulation.
• Encapsulation material for asbestos, lead paint or other dry hazardous materials (Consult SPI)
• In between waterproofing slab.
• Truck bed and undercarriage liner.

COLORS

Watershield 100 is provided as a translucent product and is not formulated for permanent sun light exposure.

Aliphatic urethane, polyurea, and other suitable topcoats can be used where long-term aesthetics and increased longevity in full sun exposure are of critical importance.

NOTE

If a waterproofing elastomer with higher tensile strength is required, look at SPI’s Polyurea ABC-20 with tensile strength at 2,649 psi and an 828.4% elongation.

© 2002 Specialty Products, Inc.
The polyol “B” component must be thoroughly power mixed each day, prior to use. Contact an SPI technician regarding proper mixing equipment.

Follow instructions attached to A and B containers.

**RECOMMENDED EQUIPMENT SETTINGS**

- Standard 1:1 ratio, heated, plural component equipment developing a minimum of 1200psi (8.34 mpa) dynamic pressure with heating capabilities to 175°F (79°C) will adequately spray this product. These include SPI-Gusmer 18/18, SPI-Gusmer 25/25 HP, and Gusmer 20/35. Gun models include Gusmer/SPI D7, GUSMER GX7, GUSMER GX7-400, and GUSMER GX8.
- Pre-heater temperature should be at 160-170°F (71-76°C).
- Hose temperature should be at 160-170°F (71-76°C). A hose thermometer inserted under the insulation near the gun should read a minimum of 145-155°F (63-68°C).
- Physical properties will be enhanced when sprayed at higher pressure (2000 ps or more) (13.9 mpa), utilizing an impingement mix gun such as the Gusmer GX7 gun, Gusmer GX7-400 or Gusmer GX8 gun.

**MIXING AND THINNING**

Thinning is not required. Using any thinner may adversely affect product performance.

**GENERAL SAFETY, TOXICITY & HEALTH DATA**

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S. CHEMTREC EMERGENCY NUMBER 1-800-424-9300

**WARNING:** Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

**CONTAMINATION:** Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected, carbon dioxide created pressure can develop. Do not attempt to use contaminated material.

**EYE PROTECTION:** Safety glasses, goggles, or a face shield are recommended.

**SKIN PROTECTION:** Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

**RESPIRATORY PROTECTION:** Use a respirator approved for isocyanates and organic vapors. If you are not sure or not able to monitor levels, use MSHA/NIOSH approved supplied air respirator. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

**INGESTION:** Do not take internally. It is believed that ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

**LIMITATIONS**

- This product is for professional use only.
- Minimum material/container temperature for spray application is 70°F (21°C).
- Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected, CO2 created pressure can develop. Do not attempt to use contaminated material.

**Note:** The material supplied is two components (Component A/Component B) used to formulate WATERSHIELD-100. The quality and characteristics of the finished polymer is determined by the mixture and application of the two components.

**WARRANTY & DISCLAIMER**

Specialty Products, Inc. has no role in the manufacture of the finished polymer other than to supply its two components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of plural component equipment.

Specialty Products, Inc., an Alaska corporation, warrants only that the two components of this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper mixture and application of the components by the applicator. There are no warranties that extend beyond the description on the face of this instrument.

SPECIALTY PRODUCTS, INC. MAKES NO WARRANTY OF MERCHANTABILITY OF THE PRODUCT OR OF FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE.

Specialty Products, Inc. makes no warranty as to the quality of any product modified, supplemented, tinted, or altered in any way after it leaves the manufacturing plant. Specialty Products, Inc. does not warrant that this product is suitable for use as a liner for potable water containers. Use of this product in a potable water container could be hazardous to health if it is improperly processed or applied.

The liability of Specialty Products, Inc. for any nonconformity of the product to its technical specifications shall be limited to replacement of the product.

The sole exclusive remedy of buyer, which is to have Specialty Products, Inc. replace any nonconforming product at no cost to buyer, is conditioned upon buyer notifying Specialty Products, Inc. or its distributor in writing of such defect within thirty days of the discovery of such defect.

Specialty Products, Inc. shall not be liable for any direct, incidental, or consequential damages resulting from any breach of warranty.

The data presented herein is not intended for non-professional applicators or those persons who do not purchase or utilize this product in the normal course of their business.

The potential user must perform any pertinent tests in order to determine the product’s performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

The aforementioned data on this product is to be used as a guide and is subject to change without notice.

The information herein is believed to be reliable, but unknown risks may be present. Specialty Products, Inc. makes no warranties, expressed or implied, including patent warranties or warranties of merchantability or fitness of use, with respect to products or information set forth herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent.

Accordingly, the buyer assumes all risks whatsoever as to the use of these materials and buyer’s exclusive remedy as to any breach of warranty, negligence, or other claim shall be limited to the purchase price of the materials. Failure to adhere to any recommended procedures shall relieve Specialty Products Inc. of all liability with respect to the materials and the use thereof.