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**TERRA-SHIELD® BG**  
*Single Component, Bitumen Modified  
 Waterproofing Membrane*

**DESCRIPTION**

Terra-Shield® BG is a single component, liquid applied, bitumen modified, coal tar free, urethane polyurea waterproofing membrane for vertical and horizontal surfaces.

**FEATURES**

- ❖ Economical
- ❖ User Friendly
- ❖ Resistant to Bacterial Growth
- ❖ Labor Saving
- ❖ Not For Use in SCAQMD Areas
- ❖ Meets the Criteria of ASTM C-836 & E-96

**TYPICAL USES**

- ❖ Bridges
- ❖ Tunnels
- ❖ Planters
- ❖ Basements
- ❖ Between Slabs
- ❖ Foundation Walls

**COLOR**

Black

**PACKAGING**

5 gallon (18.9 liter) pail  
 55 gallon drum, net fill 50 gallons (189 liters)

**MIXING**

Terra-Shield® BG should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogeneous material. Take care not to allow entrapment of air into the material.

**JOINTS, CRACKS, AND FLASHING**

Apply Terra-Shield® BG over all primed joints and cracks. Bridge the joints and cracks with 3 inch (7.6 cm) Polyester Tape, pushing it into the sealant with a trowel. Over reinforcement tape apply a thin coat of Terra-Shield® BG and smooth onto adjacent surface.

**APPLICATION**

Terra-Shield® BG may be applied directly with a brush, squeegee, trowel or phenolic core roller. Apply Terra-Shield®

**TECHNICAL DATA, Terra-Shield® BG Vertical**

Hardness, ASTM D-2240 .....	40 ± 5 ShoreA
Tear Resistance, Die C, ASTM D-624 .....	70 ± 10 pli
	12.3 ± 1.8 kNm
Tensile Strength, ASTM D-412 .....	500 ± 50 psi
	3.45 ± 0.3 MPa
Ultimate Elongation, ASTM D-412 .....	500 ± 50%
Specific Gravity .....	1.21
Total Solids by Weight, ASTM D-2369 .....	84 ± 3%
Total Solids by Volume, ASTM D-2697 .....	76 ± 3%
Viscosity, at 80°F (27°C) .....	Pasty
Service Temperature .....	-25°F to 200°F
	-31.7°C to 93.3°C

**TECHNICAL DATA, Terra-Shield® BG Horizontal**

Hardness, ASTM D-2240 .....	55 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .....	120 ± 20 pli
	21 ± 3.5 kNm
Tensile Strength, ASTM D-412 .....	500 ± 50 psi
	3.45 ± 0.3 MPa
Ultimate Elongation, ASTM D-412 .....	500 ± 50%
Specific Gravity .....	1.21
Total Solids by Weight, ASTM D-236 .....	85 ± 3%
Total Solids by Volume, ASTM D-2697 .....	76 ± 3%
Viscosity, at 80°F (27°C) .....	4500±2000 cps
Service Temperature .....	-25°F to 200°F
	-31.7°C to 93.3°C

Meets the Criteria of ASTM C-836  
 Meets the Criteria of ASTM E-96

BG evenly over the primed surface.

Primer is optional on plywood and CMU.

**CURING**

For multiple coat applications, allow coating to cure for a minimum of 16 and a maximum of 48 hours (curing is a function of ambient temperature and humidity) before proceeding to subsequent coats. If more than 48 hours pass between coats the surface must be re-primed.

Terra-Shield® BG is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application. Limit single coat thickness to 30-40 wet mils.

**EQUIPMENT CLEANUP**

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

**STORAGE**

Terra-Shield® BG has a shelf life of six (6) months from date of manufacture in original, factory sealed containers.

**LIMITATIONS**

Surfaces must be dry, clean and free of foreign matter.

Not UV stable.

Cannot withstand direct wear or abrasion.

Containers that have been opened must as soon as possible.

Do not dilute under any circumstance.

**WARNING**

**This product contains Aromatic Hydrocarbons, Isocyanates and Solvent.**

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**Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data and instructions.**

**LIMITED WARRANTY**

PSI warrants its products to be free of manufacturing defects and that they will meet PSI current published physical properties. PSI warrants that its products, when properly installed by a state licensed waterproofing contractor according to PSI guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PSI of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PSI shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PSI shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PSI reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

**DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PSI makes no claim that these tests or any other tests, accurately represent all environments.