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TERRA-SHIELD® BG-200

Two Component, Solvent Free
 Waterproofing Polyurethane Membrane

DESCRIPTION

Terra-Shield® BG-200 is a two component, high solids, low odor, solvent free, liquid applied, polyurethane waterproofing membrane.

FEATURES

- ❖Fast Curing
- ❖Labor Saving
- ❖Apply at Any Thickness
- ❖User Friendly
- ❖Solvent Free
- ❖Low Odor

TYPICAL USES

- ❖Saunas
- ❖Shower Pans
- ❖Steam Rooms
- ❖Bathrooms
- ❖Below Grade
- ❖Between Slabs

PACKAGING

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A Black Liquid and one 5 gallon (18.9 liter) pail of Part-B Blue Liquid.

100 gallon kit: One 55 gallon drum, net fill 50 gallons (189 liters) of Part-A Black Liquid and one 55 gallon drum, net fill 50 gallons (189 liters) of Part-B Blue Liquid.

Terra-Shield® BG-200 is not a stock item. Please contact PSI for availability.

MIXING

The volume mixing ratio is 1 part Part-A black liquid to 1 part Part-B blue liquid.

Mix Terra-Shield® BG-200 Part-A and Part-B individually prior to combining. Add the Terra-Shield® BG-200 Part-B to the Terra-Shield® BG-200 Part-A and thoroughly mix using a mechanical mixer at slow speed until a homogeneous mixture and color is obtained. Terra-Shield® BG-200 may be mixed by hand if mixed for at least 5 minutes.

TECHNICAL DATA, Terra-Shield® BG-200 Vertical

| | |
|---|-----------------|
| Potlife @ 75°F | 30 minutes |
| Hardness, ASTM D-2240 | 18 ± 2 Shore A |
| Tear Resistance, Die C, ASTM D-624 | 85 ± 8 pli |
| | 14.9 ± 1.5 kN/m |
| Tensile Strength, ASTM D-412 | 495 ± 50 psi |
| | 3.42 ± 0.3 MPa |
| Ultimate Elongation, ASTM D-412 | 650 ± 65% |
| Specific Gravity | |
| Part-A | 1.00 |
| Part-B | 1.02 |
| Total Solids by Weight, ASTM D-2369, | |
| Combined | 99.3% |
| Total Solids by Volume, ASTM D-2697, | |
| Combined | 100% |
| Viscosity at 75°F (24°C), | |
| Part-A | 300 ± 200 cps |
| Part-B | 1400 ± 200 cps |
| Volatile Organic Compounds, ASTM D-2369-81, | |
| Combined | 0.058 lbs/gal |
| | 7 gm/liter |

TECHNICAL DATA, Terra-Shield® BG-200 Horizontal

| | |
|---|-----------------|
| Potlife @ 75°F | 30 minutes |
| Hardness, ASTM D-2240 | 20 ± 2 Shore A |
| Tear Resistance, Die C, ASTM D-624 | 85 ± 8 pli |
| | 14.9 ± 1.5 kN/m |
| Tensile Strength, ASTM D-412 | 495 ± 50 psi |
| | 3.42 ± 0.3 MPa |
| Ultimate Elongation, ASTM D-412 | 650 ± 65% |
| Specific Gravity, | |
| Part-A | 1.00 |
| Part-B | 1.02 |
| Total Solids by Weight, ASTM D-2369, | |
| Combined | 99.3% |
| Total Solids by Volume, ASTM D-2697, | |
| Combined | 99.3% |
| Viscosity at 75°F (24°C), | |
| Part-A | 300 ± 200 cps |
| Part-B | 1400 ± 200 cps |
| Volatile Organic Compounds, ASTM D-2369-81, | |
| Combined | 0.058 lbs/gal |
| | 7 gm/liter |

Use care not to allow the entrapment of air into the mixture. Mix no more material than can be used within 20 minutes.

JOINTS, CRACKS, AND FLASHING

Cracks over 1/16" (0.16 cm) shall be routed to 1/4" by 1/4" before reinforcing. Prime all joints, cracks, and flashings with Enviro-Grip® EP#1 (mixture of Part-A & Part-B).

Apply Terra-Shield® BG-200 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-200 and smooth onto adjacent surface.

APPLICATION

For best results use a brush. Airless sprayer, squeegee, trowel, or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Primer is optional on new plywood.

Apply minimum 64 mils (1600 microns)

which corresponds to 4 gallons per 100 sq. ft. of Terra-Shield® BG-200 evenly over the primed surface.

Do not dilute under any circumstance.

WARNING

This product contains Isocyanates.

CURING

Allow coating to cure a minimum of 2-4 hours before proceeding to subsequent coats.

Subsequent coats may be applied immediately after the Terra-Shield® BG-200 cure and support the weight. Do not allow more than six hours between coats.

EQUIPMENT CLEANUP

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

STORAGE

Terra-Shield® BG-200 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 be used as soon as possible.

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.