

WeatherSeal BG

Below Grade Waterproofing Membrane

	Method	Results
Adhesion	NA	10 lbs/lineal inch of width
Elongation	ASTM D638	500%
Water Vapor Transmission	ASTM E96 Method A	0.04 perms
Temperature Sensitivity	NA	" At installation: 40°F to 100°F (4°C to 38°C) After installation: -20°F to 200°F (-29°C to 93°C)
Tensile Strength	ASTM D638	>240 psi
VOC	EPA Reference Test Method 24	73.5 g/L
Viscosity	ASTM D562	65-75 KU at 77°F

DESCRIPTION

- Single-component, non-fibrated, asphalt modified, waterproofing membrane which can be either troweled, rolled, brushed, or spray applied
- Designed to provide high-performance below grade protection from positive side water pressure.
- Allows low levels of moisture vapor to escape to prevent blistering and delamination of the applied membrane while prohibiting infiltration of moisture through foundation walls, footings, retaining walls, planter boxes and between slab.
- Solvent free formulation incorporate anti-microbial additive to prevent mold and mildew growth

ADVANTAGES

- Seamless, monolithic waterproofing membrane system
- Rapid installation and excellent adhesion
- Ready for installation without heating or thinning
- Does not become brittle with age
- Can be installed over new and existing surfaces
- Maintains elastomeric properties at low temperatures
- Outstanding long-term durability and performance
- Exhibits excellent adhesion to damp surfaces

USES

- Waterproof coating for application to Concrete and Masonry surfaces.
- Below Grade Exterior Vertical & Horizontal Applications
- Planter Boxes
- Foundation & Retaining Walls
- For submerged installations, See www.merkrete.com.

COMPOSITION

- Binder base: Elastomeric polymer with asphalt modification
- Water based VOC compliant
- Solids:
 - By weight: 55%
 - By volume: 54.2%
- Appearance: Flat non-gloss smooth finish

COVERAGE

Depending on the condition of the substrate and method of application, approximate coverage per pail is:

- Approximately 250-260 ft² (23.2-24.2m²) (coverage includes the required 2 coats)

PACKAGING

43 lbs (19.5 kg) net weight in 5 gal. plastic pails.

- Storage: Protect from sun and freezing at all times.
- Do not stack pails more than 3 pails high.
- Shelf Life: Reference Parex USA Expiration Date of Products Technical Bulletin.

DRYING TIME

Typically 24 hours depending upon temperature, humidity and substrate.

FABRICS

- WeatherTech 396 Sheathing Joint Tape
- Parex USA 355 Standard Mesh 4.5 oz/ yd²

SURFACE PREPARATION

- The substrate surface must be, unpainted, clean and free of dust and any other contaminants including form-release agents or bond breakers at the time of material application.
- Concrete and masonry surfaces must be unpainted, clean, sound and provide a uniform surface free of depressions and ridges. Prepare concrete surfaces as necessary using a power sprayer, grinder or shot blast as required to produce a clean, sound substrate. All holes must be cleaned and filled with an appropriate underlayment. All high spots must be removed by chipping or grinding. Concrete control joints should coincide with stress relief concentration points, with a maximum spacing of 20 feet (6.1m). *CMU joints should be struck flush.
- For additional options for surface preparation, contact Parex USA Technical Support.

MIXING

- Use clean equipment for mixing and preparation.
- Stir the WeatherSeal BG Waterproofing membrane prior to use.

APPLICATION

Option 1:

- For uniform, good condition substrates with no cracks or joints.
- Apply 1 coat of WeatherSeal BG Waterproofing membrane at a minimum 15 mil wet (0.38mm), over the properly prepared surface, using a trowel, roller or suitable spray equipment, ensuring complete coverage. Allow to dry and apply second coat at 15 (0.38mm) mils wet for a total of 15 DFT.
- If the first coat dries more than 72 hours, Prep Seal Primer must be applied to the surface before application of the second coat.

Option 2:

- Apply 1 coat of WeatherSeal BG at 15 (0.38mm) mils wet.
- Immediately and while the material is still wet, embed Parex USA 355 Standard Mesh 4.5 oz/ yd² or Burlap in the wet waterproofing membrane.
- Run a trowel or roller over the fabric to embed it and into the wet Waterproofing membrane, saturating it completely. No dry or fabric material spots should be visible and the mesh should lay completely flat and without wrinkles. Overlap successive runs of mesh edges a minimum of 2.5 inches (63.5mm). Apply additional Waterproofing membrane as necessary over areas to ensure positive waterproofing (no pinholes). Apply the membrane/fabric/membrane layers in sections.
- Apply a second coat of WeatherSeal BG using the same methods at approximately 15 mil wet (0.38mm). Waterproofing membrane should be applied at an over all minimum 15 mils (0.38mm) DFT. Allow the entire area to dry a minimum of 24 hours at 70°F (21°C) 50% RH. Applications in elevated humidity conditions will require additional dry time.
- The material must be completely dry before proceeding. Provide supplemental heat, protection from precipitation, and other protection from the elements, as needed.

Foundation/Footing Termination:

- A cant strip must be installed at this location. The WeatherSeal BG is installed over the cant strip and Sheathing joint tape or burlap embedded in the wet WeatherSeal BG. The second layer of WeatherSeal BG is applied in the same manner as above.

Horizontal Transitions:

- The WeatherSeal BG is installed over the horizontal area and Reinforcing Mesh or burlap embedded in the wet Weatherseal BG. The second layer of WeatherSeal BG is applied in the same manner as above.

Substrate Protection:

The WeatherSeal BG waterproofing membrane must be adequately protected after application, while curing and for the duration of the project and until finishing materials are applied. Install adequate protection before putting the area into service or backfilling. Protect the cured membrane using standard protection board or other building material as necessary.

LIMITATIONS

- The substrate surface must be structurally sound, clean and free of dirt, dust, oil, grease, paint or other contaminants at the time of material application.
- Not suitable as a finished surface, the WeatherSeal BG Waterproofing membrane can not withstand direct wear and abrasion.
- Not UV stable.
- Do not install in damp weather or when rain is expected within 24 hours.
- Parex USA waterproofing systems are designed for professional installation.
- System warranties require installation by currently listed applicators.
- When installing over an unheated enclosed space provision must be made to vent the area.
- Drains must be of a design suitable to receive WeatherSeal BG.
- Protect all finished surfaces that are not intended to receive the coating system materials.
- Use extra caution in protecting surfaces not to be coated when using spray application methods. Windy conditions or over spray can damage surrounding surfaces.

WARNING

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Safety Data Sheet (SDS). The most current SDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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