

# ShowerSeal<sup>®</sup> (Liquid Liner)



**Item Name:**  
ShowerSeal<sup>®</sup>

**Manufacturer:**  
KBRS, Inc.  
8406 Speedway Blvd.  
Hardeeville, SC 29927  
(866) 912 - 3211  
[www.KBRSinc.com](http://www.KBRSinc.com)

## Product Description:

BASIC USE: KBRS, Inc. ShowerSeal<sup>®</sup> Liquid Liner is a thin, load bearing membrane composed of a modified elastomeric copolymer. With excellent elongation properties and high strength, ShowerSeal<sup>®</sup> Liquid Liner provides a 100% waterproof membrane coating while limiting the transfer of substrate cracks to the finished overlay. The membrane is installed in a liquid state and can be applied to practically any form or irregular shape (i.e. base flashing, parapets, walls, etc.).

## Uses:

KBRS ShowerSeal<sup>®</sup> Liquid Liner is for use in commercial buildings, residential housing and other areas requiring interior positive waterproofing like fountains, spas, hot tubs, kitchens, counter tops, tub surrounds, shower stalls and pans, under terrazzo, quarry, ceramic, and stone tile. This membrane can be installed over any sound substrate, vertically or horizontally, interior and exterior.

## Advantages:

- Low VOC
- Crack Isolation up to 1/8"
- Adheres to all Common Surfaces
- Built-in Antimicrobial for Mold & Mildew Resistance at the Substrate
- Installs Quickly - Cures in 2 - 4 Hours (70° F, 50% R.H.)
- Fast-drying, Foot Traffic in 4 - 6 Hours
- Thin Section that does not Interfere with Elevations
- Exceeds ANSI A118.10 and A118.12 membrane requirements
- Easy to use; can be applied by trowel, airless sprayer, paint brush or roller
- May be turned up for base flashing and applied to walls for wainscot or shower wall application

## Suitable Substrates (other than KBRS wet area substrates):

- |   |                                  |                                       |                               |
|---|----------------------------------|---------------------------------------|-------------------------------|
| • Brick masonry                               | • Ceramic and stone              | • Cement mortar beds                  | • Cement terrazzo             |
| • Cement backer board (interior) <sup>1</sup> | • Concrete                       | • Exterior grade plywood <sup>2</sup> | • Gypsum drywall <sup>2</sup> |
|   | • Gypsum mortar bed <sup>3</sup> | • Oriented strand board <sup>2</sup>  |                               |

<sup>1</sup> Consult the cement backer board manufacturer for installation recommendations

<sup>2</sup> Interior use only – wood substrates; shall be skim coated with latex modified thin-set mortar

<sup>3</sup> Requires the use of 101 Over-spray primer

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## Technical Data:

APPLICABLE STANDARDS: KBR, Inc. ShowerSeal<sup>®</sup> Liquid Liner meets or exceeds tile industry requirements: ANSI A118.10 load bearing bonded waterproof membrane for thin-set ceramic tile and dimension stone installation, also ANSI A118.12 crack isolation membrane for thin-set ceramic tile and dimension stone installation. Follow ANSI 108.13 and ANSI A108.17 for installation, in addition to these directions.

## Approvals:

ICC Evaluation Report            ESR-2619  
IAPMO/UPCc                      File #4073

City of Los Angeles, Department of Building and Safety, Research Report #RR-4321

## Physical & Test Data:

Adhesion	> 250 psi	
Elongation	> 800%	
Porosity	No transmission (115 psi for one hour)	
Range of temperature for use	+ 40° F to 110° F (at installation) 35° F to 150° F (after installation)	
Water Absorption	0% (Total immersion for 24 hours)	
Drying Time (to touch - per layer)*	48 hours at 70° F and 50% R.H.	
LEED 2.2 NC VOC	EQ Credit 4.1	ShowerSeal <sup>®</sup> Results
VOC	<65 g/l VOC	20 g/l VOC

\* When cured at 70° F or higher at 50% R.H Lower temperature at higher R.H will require longer cure times

## Packaging:

- 1 Gallon Unit: 1 gal. pail (3.78 L) of ShowerSeal<sup>®</sup> 1 liquid, 60 pails per pallet
- 3-1/2 Gallon Unit: 3-1/2 gal. pail (13.245 L), 48 pails per pallet

## Shelf Life:

One year from manufacturing in sealed original container, when properly stored at room temperature, off the ground in a controlled, dry, heated area.

## Installation:

**SURFACE PREPARATION:** All surfaces must be between 40° F (4° C) to 95° F (35° C) and structurally sound (deflection not to exceed 1/360 of the span), dry, clean and free from oil, grease, wax, paint, old adhesives, sealers and curing compounds. Any contaminates which inhibit proper bond must be removed. Substrate preparation should be completed following ANSI A108.01 "General Requirements: Subsurfaces and Preparation by Other Trades." All substrates should be plumb and true, surface deviation should not exceed 1/4" in 10'. If product has separated or thickened, product should be mixed with a slow mixing drill, not incorporating air. Some separation may occur upon standing, which has no reflection upon the quality of the product.

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## Reinforcement:

ShowerSeal<sup>®</sup> Liquid Liner has been formulated to perform as a waterproof and crack isolation membrane without ShowerSeal<sup>®</sup> Gauging Fabric. As a crack isolation membrane, fabric is typically not recommended. As a waterproof membrane, manufacturer recommends the use of ShowerSeal<sup>®</sup> 6" Gauging Fabric to ensure maximum protection at joints, cracks, protrusions, dissimilar materials, and drains.

## Preparation:

**Joints, Cracks and Protrusions:** Pre-fill all substrate cracks, cold and control joints with latex modified thin-set or ShowerSeal<sup>®</sup> Polyurethane Sealant (or equal). Fill all voids with latex modified thin set to within a minimum of 1/8". Apply a liberal coat of ShowerSeal<sup>®</sup> Liquid Liner around joints, cracks and protrusions. Embed ShowerSeal<sup>®</sup> Gauging Fabric into the wet ShowerSeal<sup>®</sup> Liquid Liner, immediately cover with a second coat of ShowerSeal<sup>®</sup> Liquid Liner, "sandwiching" the gauging fabric. Apply an additional application to prevent pinholes.

**Drains:** must be of the clamping-collar type with weep holes for thin set application. Drain should be even, level, plumb and fully supported, without movement. Fill all voids with latex modified thin set to within a minimum of 1/8" from the drain. Apply a liberal coat of ShowerSeal<sup>®</sup> Liquid Liner around and over the bottom drain flange. Embed KBRS, Inc. ShowerSeal<sup>®</sup> Gauging Fabric into the wet ShowerSeal<sup>®</sup> Liquid Liner, cover with a second coat of ShowerSeal<sup>®</sup> Liquid Liner, "sandwiching" the Gauging Fabric. Apply an additional application to prevent pinholes. After drying, set the upper clamping-collar onto the ShowerSeal<sup>®</sup> Liquid Liner with a continuous bead of ShowerSeal<sup>®</sup> Polyurethane Sealant (or equal). A toilet flange can be treated in the same manner.

**Cement Substrates:** All concrete substrates should be cured a minimum of 28 days. Smooth steel troweled floors to a fine broom finish.

**Cement Backer Board:** Follow cement board manufacturer's instructions. Tape and fill joints per manufacturer's directions and "Preparation" section of this data sheet.

**Plywood and OSB Substrates:** All plywood installations should be interior areas only and protected from exposure to moisture. Skim coat plywood surfaces with latex modified thin-set before membrane application.

## Membrane Application:

Allow any recently prepared areas to dry. Apply a liberal coat of ShowerSeal<sup>®</sup> Liquid Liner at a rate of 50 s/f per gallon. Periodically, check the film thickness with a wet film thickness gauge, first wet coat should be applied 30 mils wet thickness. Apply ShowerSeal<sup>®</sup> Gauging Fabric into the wet ShowerSeal<sup>®</sup> Liquid Liner. After the ShowerSeal<sup>®</sup> Liquid Liner turns dark green, cover with a second coat at 30 mils wet thickness, "sandwiching" the reinforcing gauging fabric. Total ShowerSeal<sup>®</sup> membrane thickness after drying should be 40 mils.

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**Movement (expansion) joints:** Designed to experience movement, should be provided to comply with TCA method EJ 171. For waterproofing of movement (expansion) joints, the membrane must not be applied unsupported to bridge across expansion joints. The joint must be cleaned to remove any loose debris and an opened or closed – cell backer rod is installed to the joint to the proper depth as specified by designer. ShowerSeal<sup>®</sup> Polyurethane Sealant (or equal) is tooled into the joint, coating the sides and leaving the joint flush with the surface. After the sealant is dry, the ShowerSeal<sup>®</sup> Liquid Liner is applied following the “Membrane Application” instructions above. Then ceramic or stone tiles are installed over the membrane, leaving a gap over the joint as specified by the designer. After the tile is set, the joint must be filled as specified by the designer.

## **Ceramic or Stone Application:**

Ceramic or stone tile can be installed immediately after the ShowerSeal<sup>®</sup> Liquid Liner has dried to the touch. KBRS, Inc. recommends a quality latex portland cement thin-set. Follow the directions on thin-set container for proper application.

## **Curing:**

Water testing can usually be done after a minimum of 48 hours at 70° F (21° C) and 50% R.H.

## **Cleaning:**

Clean tools, hands and equipment with warm soapy water before the material has dried. Material that has dried is difficult to clean, remove while fresh.

## **Coverage (Approximate):**

1 gallon unit	50 sf
3 1/2 gallon unit	175 sf

## **Limitations:**

Do not use ShowerSeal<sup>®</sup> Liquid Liner below 40° F (4° C); do not allow membrane or substrate to be below 40° F (4° C) for the first 72 hours after application. Cool and wet weather may delay the set times of the ShowerSeal<sup>®</sup> membrane. Do not apply over surfaces subject to hydrostatic pressure. Do not use as a primary roofing membrane. Do not leave ShowerSeal<sup>®</sup> membrane unprotected or exposed to weather for more than 72 hours. Do not use membrane as an adhesive or wearing surface, membrane must be covered with ceramic or stone tile. Maximum amount of moisture in the concrete substrate using a calcium chloride test should not exceed 5 lbs/1,000ft<sup>2</sup>.

## **Availability:**

KBRS materials are available in both USA and Canada.

For Distribution Information, Call:

Toll Free: (866) 912 - 3211

Telephone: (912) 352 - 0442

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## **Warranty:**

10 year and Limited Lifetime warranties are available. Contact KBRS Technical Services for specific warranty information. KBRS, Inc. warrants that this product meets applicable ANSI standards in force at the time of manufacture.

## **Maintenance:**

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## **Technical Services:**

KBRS, Inc. maintains technical field representatives available throughout the country. Call Technical Services at 866-912-3211 for the nearest representative.

## **Health & Safety Precautions:**

ShowerSeal<sup>®</sup> Liquid Liner is manufactured with chemicals used in the construction industry and care should be exercised when handling. Consult the material safety data sheet (MSDS) which is available through [www.kbrsinc.com](http://www.kbrsinc.com) for further health and safety information.