



## LIQUID WATERPROOFING Technical Data

Product	Trending Accessibility Liquid Waterproofing
Description	Ready to use liquid latex waterproofing and crack prevention membrane specifically formulated for use beneath commercial and residential tile and stone interior and exterior applications. The Liquid Waterproofing's elastomeric properties reduce the risk of substrate cracks transferring to finished tile and stone flooring while providing a continuous moisture barrier for wet areas.
APPROVED SUBSTRATES	Concrete, Gypcrete and lightweight concrete*, Block or brick masonry, Mortar beds, Existing ceramic tile & stone, Cement backer board, Exterior grade plywood*, OSB*, Gypsum wall board & plaster*, PVC & stainless steel  *Note = Interior Only
AREAS OF USE	Interior & exterior, Shower stalls & tub surrounds, Swimming pools, Steam rooms, Spas & hot tubs, Water features, Terraces & balconies
SHELF LIFE	Two years when stored at temperatures higher than 40°F and less than 110°F. Keep from freezing.
SURFACE PREPARATION	All surfaces must be structurally sound, clean, dry and free from contaminants that could prevent proper bond to the substrate. All wet areas must have proper slope to drains. Apply when surface temperature of the substrate is between 40°F-105°F
COVERAGE	50 sq. ft. per gal.
APPLICATION	Follow applicable ANSI & TCNA installation specifications.
WATERPROOFING APPLICATION	Clean surface with damp cloth or sponge but do not leave standing water on substrate. Use a paint brush, 3/8" nap roller or 3/16" x 1/4" v-notch trowel to apply liquid membrane. Pre-coat all edges, corners, coves and protrusions with a heavy coat of liquid membrane extending it onto the horizontal surface 6" and on the vertical surface 6". Then apply a continuous even film coat with overlapping strokes over the entire substrate to be waterproofed. After the first coat becomes dry, usually 1-3 hours inspect membrane for voids or pinholes. Fill any voids with liquid membrane and apply second coat to entire substrate at 90 degree angles to the first coat. Total membrane thickness 70 mils wet.
DRY TIME	Dry time is generally 1-3 hours. Dry time will vary depending on the temperature and humidity. Tile may be applied when the Liquid Waterproofing has changed to a dark green color or dry to the touch. Allow membrane to cure for a minimum of 12 hours prior to conducting water tests.
TILE ADHESION	Install tile or stone with an (118.4) latex-modified thinset mortar.

CLEAN UP	Clean up with soap and water while the material is still wet.
LIMITED WARRANTY	Trending Accessibility warrants that its product shall be free from defects in the material under proper usage for a period of one year from original purchases date. Material safety data sheet available for safety and environmental information. Keep out of reach of children
LIMITATIONS	Do not apply over concrete with moisture content levels exceeding 6 lbs/1000 or where surfaces are subject to hydrostatic pressure. <ul style="list-style-type: none"> <li>• Do not use as adhesive</li> <li>• Do not use as wear surface</li> <li>• Do not use to bridge existing expansion joints</li> <li>• Follow TCNA guidelines for wood substrate deflection criteria</li> </ul>
TECHNICAL DATA	ANSI 118.10 for load bearing, bonded and waterproofing membrane for thin-set ceramic tile and dimension stone installation.

## Physical Properties

TEST	REQUIREMENTS/METHOD	RESULTS
4.1 Fungus & micro-organism resistance	Shall not support mold growth	PASSES
4.2 Seam strength	16 lbs/2" width	28lbs/2" width
4.3 Breaking strength	Min. 170 psi	458 psi
4.4 Dimensional stability	ASTM D638	600%
4.5 Waterproofness	No moisture penetration/ 48hr	PASSES
5.3 7 Day shear strength	Min. 50 psi	262 psi
5.4 7 Day water immersion shear strength	Min. 50 psi	186 psi
5.7 100 Day water immersion shear strength	Min. 50 psi	158 psi
6.1 7 Day hydrostatic Test	ASTM C-1306 Standard Test-Pass/Fail	PASS
6.2 Water vapor transmission	ASTM 96-00 Procedure B	0.025 grains/hr ft
6.4 Permeance rating	ASTM 96-00	0.061
6.5 Hydrostatic pressure and alkali resistance	ASTM C-1306 Standard Test-Pass/Fail	PASS
6.6 System floor test	ASTM C627-TCA Rating	14 Cycles "Extra Heavy"
6.7 System crack resistance test	ANSI 118.12- Pass/Fail	PASS

Product Name: Trending Accessibility Liquid Waterproofing  
Chemical Family: Styrene Copolymer Latex  
Formula: Mixture

## 1) Composition/Information on Ingredients

### EXPOSURE LIMITS 8 hrs. TWA (ppm)

	OSHA PEL	ACGIH TLV	UNITS
Butadiene Styrene Copolymer	NE	NE	
Calcium Carbonate	5 (resp.) 15 (total)	2 (resp.)	mg/m <sup>3</sup> mg/m <sup>3</sup>
Sodium Hydroxide	2	2	mg/m

## 2) Hazards Identification

### Routes of Exposure:

INHALATION of vapor or spray mist.

EYE or SKIN contact with product, vapor or spray mist.

INGESTION of liquid or spray mist

### Effects of Overexposure:

EYES: Can cause mild to severe irritation, redness, tearing or blurred vision.

SKIN: Prolonged or repeated contact can cause moderate irritation.

INHALATION: No problem anticipated

INGESTION: Do not induce vomiting. Consult physician immediately.

## 3) First Aid Measures

SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder before re-use.

INHALATION: No adverse effects.

INGESTION: Do not induce vomiting. Keep person quiet and warm. Get immediate medical attention.

EYE CONTACT: Flush with large amounts of water, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

## 4) Fire Fighting Measures

**Flash Point:** NA, water-based material, non-combustible

**Extinguishing Media:** Use media suitable for surrounding materials; Foam, Dry Chemical, Carbon Dioxide

**Special fire fighting procedures:** None

## 5) Accidental Release Measures

**Steps to be taken in case material is released or spilled:** Ventilate area. Prevent entry into sewers and waterways. Pick up spilled product for recycle and/or disposal. Absorb small amounts on inert material for disposal.

## 6) Handling and Storage

**STORAGE TEMPERATURE (MIN / MAX):** 40 F / 100 F

**SHELF LIFE:** 24 months from date of manufacture if kept in the original container, tightly closed and properly stored.

**SPECIAL SENSITIVITY:** None

**HANDLING AND STORAGE PRECAUTIONS:** No special precautions necessary. Observe good house-keeping practice. Keep workplace well ventilated.

## 7) Exposure Controls / Personal Protection

**EYE PROTECTION REQUIREMENTS:** Splash goggles.

**SKIN PROTECTION REQUIREMENTS:** Wear chemically resistant or impermeable gloves.

**RESPIRATOR / VENTILATION REQUIREMENTS:** Provide sufficient ventilation to avoid exposure levels above the established TLV's.

**EXPOSURE LIMITS:** Not established for the mixed product.

## 8) Physical and Chemical Properties

PHYSICAL FORM:	Thick Liquid
COLOR:	Green
ODOR:	Mild Acrylic
BOILING POINT:	214 Fahrenheit
MELT / FREEZING POINT	N/A
pH:	9.10-9.20
WATER SOLUBILITY:	Not soluble but easily mixes (miscible) with water
SPECIFIC GRAVITY:	1.10 to 1.13 (water = 1)
% VOLATILE BY WEIGHT:	45 % max.
VAPOR PRESSURE:	Not determined
VAPOR DENSITY:	Not determined
VOLATILE ORGANIC COMPOUND CONTENT:	Less than 1 % by weight; less than 11.6 grams/liter

## 9) Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	No hazardous reactions
Incompatibility:	None known
Hazardous Decomposition Products:	oxides of carbon
Hazardous Polymerization:	Will not occur

## 10) Toxicological Information

Long term experience of this product type indicates no danger to health when properly handled under industrial conditions.

## 11) Ecological Information

No data available on mixed product.

## 12) Disposal Considerations

**WASTE DISPOSAL METHOD:** Dispose of product and packaging in accordance with all local, state and federal laws and regulations. Waste product should not be discharged directly into drains or waterways without treatment.

Waste water containing product should be treated in a separation and biological treatment plant.

## 13) Transport Information

**DOT INFORMATION:** This product is not classified as dangerous or hazardous for transport by Department of Transportation.

## 14) Regulatory Information

**TSCA STATUS:** All ingredients Listed

**CERCLA REPORTABLE QUANTITY:** Sodium Hydroxide CAS, 1310-73-2 RQ = 1000 lbs.

SARA TITLE III:

**SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES** None

### SECTION 311/312 HAZARD CATEGORIES

Acute Health	Yes
Chronic Health	Yes
Fire	No
Reactive	No
Sudden Release of Pressure	No

### SECTION 313

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
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None

**RCRA STATUS:** Not considered a RCRA hazardous waste per 40 CFR 261.20-24.

**CANADIAN STATUS:** All materials contained in this product are listed on the Canadian Domestic Substances List

**EUROPEAN UNION:** All materials contained in this product are listed on EINECS.

### STATE REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

### COMPONENT/

CAS NUMBER	CONCENTRATION	STATE CODE
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None

## 15) Other Information

### HMIS CLASSIFICATION

Health	1
Flammability	0
Reactivity	0
PPI	B

### NFPA RATING

Health	1
Fire	0
Reactivity	0
Special	None