

# Pro-Line Aqua Seal

Premium Waterproofing & Anti-Fracture Membrane

**Packaging:** Available in 1, 3.5, 5 Gal. Units

- \* **Waterproofing & Anti-Fracture**
- \* **Use Interior or Exterior**
- \* **No V.O.C.**
- \* **Contributes to LEED®**

◆**Usage:** Aqua Seal is a premium, ready to use anti-fracture and waterproofing membrane. Use for a variety of residential and commercial applications both interior and exterior. Aqua Seal can be used in showers (steam), shower pans, tub surrounds, pools, fountains, kitchens, countertops, and more. Floors exposed to heavy water usage, structures designed to hold water permanently and all floor penetrations where water leakage is a concern. Can also be used as a slab-on-grade moisture barrier under resilient flooring, for instructions for use as a slab-on-grade moisture barrier for resilient flooring installations refer to Technical Bulletin # 102. As an anti-fracture material, Aqua Seal can effectively reduce crack transmission in ceramic and stone flooring. **ANSI A118.10, A118.12**

◆**Preparatory Work:** All substrates must be clean, dry, and structurally sound and not subject to extreme temperatures (below 40°F or above 100°F) during installation. Surface must be free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues, gypsum based underlayments and any other foreign matter. Allow cement mortar beds to cure at least 72 hours before covering with Aqua Seal. All wet and/or exterior areas need to have proper sloping to drains. Allow newly prepared concrete a minimum cure of 28 days, finished with steel trowel and complete with fine broom finish.

◆**Expansion Joints:** Clean joint and install open or closed cell backer rod to proper depth, please refer to EJ171 in the T.C.N.A. Handbook for complete details

◆**Pre-Treat Cracks, Cold Joints, Control Joints, and Seams:** All substrate cracks, cold joints, control joints, and seams less than 1/8" apply a liberal coat of Aqua Seal approximately 6" wide over the crack, joint or seam making sure that the crack, joint or seam is completely filled with Aqua Seal membrane. Aqua Seal can be applied with a paint brush, paint roller or a 3/16" x 1/4 V-notch trowel. When the first coat has dried to a uniform darker blue color, apply a second liberal coat of Aqua Seal membrane.

◆**Pre-Treat coves, corners and Wall/Floor Transitions 1/8":** For all coves, corners and wall/floor transitions with a gap of 1/8" or less apply a liberal coat of Aqua Seal at coves, corners, seams, joints and changes in

plane approximately 6" wide making sure that the cove, corner or wall/floor transition is completely filled with Aqua Seal. Then apply Aqua Seal with a paint brush, 3/8" paint roller, or a 3/16" x 1/4" V-notch trowel. When the first coat has dried to a uniform darker blue color, apply a second liberal coat of Aqua Seal. On coves, corners and wall/floor transitions greater than 1/8" reinforcing mesh can also be used. Fold 6" wide reinforcing mesh in half and imbed it into the membrane, flashing fabric 3" up walls. Apply second liberal coat of membrane to seal reinforcing mesh.

◆**Pre-Treat drains:** Drains must be of the clamping ring type, with weep holes. Apply a liberal coat of Aqua Seal around and over the bottom half of the drain-clamping ring, then embed 12" x 12" reinforcing mesh into Aqua Seal membrane, being careful not to cover drainage hole.. When first coat is dry to darker blue color, cover with a second liberal coat of membrane. Install top half of drain clamping ring. Use a silicone caulk around flange where Aqua Seal membrane and upper flange make contact.

◆**Waterproofing Application:** Allow any pre-treated areas to dry to the touch, then apply a liberal coat of Aqua Seal with brush or roller over substrate including pre-treated areas. Flash membrane up over pre-treated coves and corners, so such areas have two layers of membrane. Let dry to the touch, approximately 1–3 hours at 70°F (21°C) and 50% RH. Apply another liberal coat of Aqua Seal over entire surface to seal membrane. When last coat has dried to the touch, inspect final surface for pinholes, voids, thin spots or other defects. Use additional Aqua Seal to seal defects. Coves, corners, seams, and board joints must be pre-treated as described above. Wet coat thickness is 18-20mils (.018-.020") per coat, use wet film gauge to check thickness. Cured thickness 25-30mils (.025-.030")

◆**Anti-Fracture Application:** For crack isolation up to 1/8" Aqua Seal membrane must be applied the width of the diagonal measurement of the tile being used on both sides of the crack. For best results cover entire area under tile being installed. All substrate cracks must be pretreated as described earlier. Wet coat thickness is 18-20mils (.018-.020") per coat, use wet film gauge to check thickness. Cured thickness 25-30mils (.025-.030")

◆**Flood Testing:** Allow membrane to cure fully before flood testing, typically 24–48 hours at 70°F (21°C) or above and 50% RH. For temperatures between 45°F (7°C) to 69°F (21°C) allow 72 hours before flood testing. The time prior to flood testing begins when the membrane has dried to its darker blue color. Cold and/or wet conditions will require a longer curing time.



*Data Sheets are subject to change without notice. For latest revision, check our website at [www.bondedmaterials.com](http://www.bondedmaterials.com).  
If an installation or materials should be changed outside the detailed instructions, please contact our technical support dept. for assistance.*

◆ Bonded Materials Company ◆

4330 N. 43<sup>rd</sup> Ave. Suite B-4 Phoenix, Az.85031

Ph. 623-873-0001 Toll Free 877-726-6333 [www.bondedmaterials.com](http://www.bondedmaterials.com)



rev Sep-12

# Pro Line Aqua Seal

Premium Waterproofing & Anti-Fracture Membrane

**Packaging:** Available in 1, 3.5, 5 Gal. Units

**\* Waterproofing & Anti-Fracture \* Use Interior or Exterior \* No V.O.C. \* Contributes to LEED®**

◆**Plywood Substrates:** For use over EGP (interior dry areas only). Verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length.

◆**Interior Change of Plane - Commercial Installation:** Commercial applications of interior change of plane require reinforcing mesh.

◆**Cleaning:** Clean off any uncured Aqua Seal with clean water only.

◆**Installation of Floor Covering:** Once Aqua Seal has dried to the touch ceramic tile, stone or brick may be installed by the thin bed method using a Pro-Line Polymer Modified Setting Mortar. Allow Aqua Seal to cure 24 hours at 70°F (21°C) and 50% RH before covering with concrete, thick bed mortar, screeds, toppings, coatings, epoxy adhesives, or terrazzo. For moisture sensitive resilient or wood flooring see Technical Bulletin # 102. Do not use solvent-based or some types of water based adhesives directly on Aqua Seal.

◆**Limitations:** Do not apply Aqua Seal to wet surface or those surfaces subject to hydrostatic pressure. Do not use over dynamic expansion joints, structural cracks or cracks with vertical differential movement. Aqua Seal should not be used as an adhesive or as a wear surface. Aqua Seal must be covered with a protective surface such as tile. Not to be used as a vapor barrier or directly on exterior wood decks or balconies as waterproof membrane. Steam showers must have vapor barrier installed.

◆**Protection:** Aqua Seal must be protected from extreme temperatures (below 40°F) during the first 72 hours after application.

◆**Coverage:** Waterproofing 60 sq.ft per Gallon  
Anti-Fracture 100 sq.ft per Gallon

\*Coverage's are for estimating proposes only. Actual jobsite coverage's may vary depending on substrate conditions.

◆**Storage:** One year if kept dry in sealed container.

◆**Safety:** May cause eye and skin irritation. Do not ingest. In case of contact, flush eyes with clean water for 10 - 15 minutes. If irritation does not stop, please contact a physician. Avoid contact with skin where possible and wash exposed areas promptly with soap and water. KEEP OUT OF REACH OF CHILDREN.

◆**Warranty:** Bonded Materials Company ("Bonded Materials") warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Bonded Materials sole liability under this warranty shall be limited to the replacement of the product. The statements, recommendations, and technical information provided are furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate. Bonded Materials makes no warranty for a particular purpose with respect to product sold herein, except quality of components shall be in accordance with Bonded Materials standards. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be replacement of defective products. Handling and actual use of product are beyond the control of Bonded Materials, therefore, no warranty is made, expressed or implied, as to the results obtained from use of the product or against any claims for infringement of patents resulting from the use of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Bonded Materials printed instructions. Bonded Materials makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

## Aqua Seal Technical Data (based on 70°F [21°C] and 50% relative humidity)

Test	Aqua Seal Values
Initial Set @ 70°F -	1-2 Hours
Bucket life @ 70°F -	Indefinite
Seam Strength ANSI 118.10	18 lbs per inch
Breaking Strength ANSI 118.10	480 psi (34 kg/cm2)
Dimensional Stability ANSI 118.10	0.07%
Shear Strength 12 Day Dry Cure ANSI 118.10	260 psi (18 kg/cm2)
100 Day Water Immersion ANSI 118.10	85psi (6 kg/cm2)
Elongation 12 Day Dry Cure ASTM D-638	550%
7 Day Dry Cure/21 Day Wet Cure ASTM D-638	650%



Data Sheets are subject to change without notice. For latest revision, check our website at [www.bondedmaterials.com](http://www.bondedmaterials.com).  
If an installation or materials should be changed outside the detailed instructions, please contact our technical support dept. for assistance.

◆ Bonded Materials Company ◆  
4330 N. 43<sup>rd</sup> Ave. Suite B-4 Phoenix, Az.85031

Ph. 623-873-0001 Toll Free 877-726-6333 [www.bondedmaterials.com](http://www.bondedmaterials.com)



rev Sep-12