

Rev: 7.24.2017

## Product Information

### Product Description

Aquaflex is the world's first patented waterproof flooring adhesive and Aquaflex is the first waterproof adhesive with pressure sensitive characteristics offering a new standard in

#### UNLIMITED moisture resistance.

- **GREEN** - Aquaflex is a 100% solids, "0" zero VOC, moisture-curable flooring adhesive, that meets CHPS low odor indoor air quality standards (IAQ 01350) and contributes LEED.
- **Avoid Mitigation** - This unique adhesive is not affected by exposures to high pH moisture or liquid water at any level. Aquaflex will even resist the effects of underwater immersive cure in Concrete Pore Water (CPW)\* at pH 13.5, remaining unchanged indefinitely, (third party verified).
- **Easy Installation** - Aquaflex is one part and does not require mixing or mechanical concrete surface prep as defined by the ICRI standard (i.e., bead blasting or concrete grinding NOT required). The installation of resilient flooring with Aquaflex is nearly identical to that of standard flooring adhesive. Simply trowel over clean, porous and dust-free concrete. Allow 30mins of flash for tack development. Gently, set the tile into the adhesive (which allows adjustment) and roll the floor to activate the pressure sensitive properties. Commercial sheet vinyl procedures will vary (see Aquaflex VSF application Requirements).
- **Extended Open Time** - Flooring can be installed up to 1hr after trowel. After 4hrs, reactions take place that result in a bond 300% stronger than a standard water-based acrylic adhesive.
- **Walk-On-Work** - Aquaflex has a working viscosity that will hold to the trowel. The adhesive will grab after approx. 30min of open time and develop spider web like legs upon inspection. Edge lift of tile will not occur. This allows easy "walk-on-work" installation methods.
- **Bead-Blasting or Concrete Grinding NOT Required** - Demo the old floor, remove the old flooring adhesive, prep the slab with **Aquaflex Waterproof Concrete Repair** products and a rotary sander. Install the new floor using Aquaflex.

### Surface Preparation

Conduct moisture evaluations prior to installation per flooring manufacturers instruction. **Always consult technical advise prior to installation.** Every concrete substrate is unique. Practice "clean as you work" methods.

- All concrete surfaces must be prepared prior to adhesive application per ASTM F710, level, firm, dry, smooth and free of dust, dirt, wax, cut-back, paint, grease, oil, curing agents, mold, bond breakers, residual alkaline salts, densifiers, hardeners or any other foreign material that would inhibit bond.
- Mechanical bead-blasting or concrete grinding is **NOT** required. Fill pop-outs, cracks, holes, and depressions using only **Aquaflex Waterproof Concrete Repair** products designed for the intended purpose.
- The installation area should be acclimated to at least 60°F for 24 hrs prior, during and 72 hrs following the installation. Do not install if temperatures exceed 85° F.
- The concrete MUST be **smooth, dry, porous and dust-free** in order to facilitate bonding with Aquaflex. If the project is a remodel, remove old adhesive with an appropriate cut-away disk attachment.
- Sand the concrete with a rotary sander fitted with dust control. Use the appropriate disc for porosity, 20 grit or better.
- **For all areas requiring full skim coat or patching use Aquaflex Waterproof Concrete Repair** products. DO NOT OVER WATER cementitious products; absorption of adhesive and loss of bond due to weak skim may result and warranty will void.
- Finish the **Aquaflex Waterproof Concrete Repair** products by sanding, vacuuming and giving the slab a **damp mop** for final dust removal. **DO NOT use sweeping compounds.**

### Conductive Performance

$5 \times 10^5 - 1 \times 10^6$  Ohms resistance

Botron B8572, (100v)

### Chemical & Physical Properties

<b>Base:</b>	<b>Proprietary</b>
<b>Color:</b>	<b>Black</b>
<b>Solids:</b>	<b>&gt;80%</b>
<b>Density:</b>	<b>9.7lbs/gal</b>
<b>Flammability:</b>	<b>Nonflammable</b>
<b>VOC:</b>	<b>0g/l, calculated</b>
<b>Application:</b>	<b>See Instructions</b>
<b>Shelf Life:</b>	<b>One Year*</b>

\*From date of manufacture and stored in original, sealed container



**ANTI-MICROBIAL**  
Prevents Mold Growth

### Application

- Acclimate all materials prior to beginning the installation process. Due to varying concrete substrate conditions **it is always recommended that an adhesion and porosity test be performed** prior to the installation process. Refer to the flooring manufacturer on proper installation method. Consult technical service for job specific recommendations.
- Use the supplied trowel with each unit, one unit covers approx. 700-800sf. Layout areas in sections, establish a section size that is easy to manage. Never spread more adhesive than can be installed in 1hr.
- **TROWEL ACCURATELY**, do not leave clumps or “snake tracks” of glue. Upon opening pail, slice open the foil bag and pour adhesive into pail. Apply adhesive until the pail is ½ empty then switch to a new trowel edge. **If adhesive is left in pail for storage, it will skin over. Prior to using stored material, remove the adhesive skin.**
- **Aquaflex adhesives should never be used as a strategy for leveling a concrete surface. Do not use Aquaflex adhesives to fill gaps, cracks, pop-outs, saw-cuts or voids of any kind in the concrete.**

### Walk-On-Work Method

- For “Walk On Work” method allow adhesive to set approx 30min. Install flooring into adhesive, adjust and press flooring to activate bond. After 2hrs Aquaflex will transition to a firm set. **DO NOT** allow adhesive to remain open for more than 2hrs. Aquaflex will grab aggressively. Areas should be protected from **heavy** traffic. Allow foot traffic after 3hrs. After 12hrs, cleaning and waxing may be initiated.
- **Do not leave gaps of adhesive at the edge line.** Clean off excess glue prior to moving on. Aquaflex has extremely aggressive bonding characteristics. Adjustments of the tile after pressed into place may not be impossible. **All set and cure times provided are approximate and can vary with site and substrate condition.**
- Roll flooring once immediately upon grab with an articulated 100lb roller lengthwise, and then again at a right angle to the first line of direction per flooring manufacturer’s instructions. **Caution: excessive rolling can create lippage with some rigid flooring products over less than smooth concrete.**

### Clean-Up & Storage

**Adhesive should never be used as a strategy for leveling a concrete surface. Do not use adhesive to fill gaps, cracks or voids in the concrete.**

Store in a clean, dry, warm area to ensure ease of application. Shelf life is 6-months from the date of manufacture. **Reseal partial containers by covering the open pail with two pieces of plastic drop cloth, securing lid and carefully turning the pail up-side down.** To reopen turn the pail right-side up, remove lid and cut plastic liner out with cured adhesive attached. Uncured material is suitable for use.

**NOTE: Aquaflex is solvent resistant when cured. Cured adhesive CANNOT be cleaned with conventional solvent or soapy water.**

Practice ‘clean as you work’ methods. Call Customer Service if contamination results. **Formulators provides a safe cleaner found effective on cured Aquaflex residue.**

### Statement of Performance

Prior to shipping adhesive and to insure performance, Formulators requires that a sample of the intended flooring material be submitted for bond testing. Testing is completed within 24-48hrs upon receipt of samples. Upon completion a statement of performance (SOP) will be issued. The SOP will provide detail adhesive bond performance.

#### Curing

Set time:	1hr
Cure suitable for foot traffic:	3hrs

### Warranty

Formulators warrants Aquaflex free from defects in material and workmanship for the life of the floor when properly installed, and not to delaminate due to either elevated sub-slab or topical sources of moisture (i.e., sink overflow, leaky plumbing, roof leaks, improper floor care, etc) at **ANY** measured level.

Formulators excludes and will not pay consequential or incidental damages under this warranty. All remedies shall extend to the replacement of finished flooring materials, labor and adhesive in affected areas only and as determined by Formulators. Formulators will not pay damages resulting from poor installation, loss of bond due to the dimensional characteristics of the flooring material, telegraphing of trowel marks through the flooring material, seam failures or voids, tears, rips, misapplied or residual curing compounds, residual mold release, improperly mixed leveling or patching compounds of any kind, improper preparation technique and any other condition beyond the control of Formulators and unrelated to the integrity of the adhesive.

**For complete warranty information, see Formulators Performance Warranty.**

### Trowel Performance Data



**Coverage: 700sf per unit**