

### Product Information

#### Product Description

Aquaflex is the world's first patented waterproof acoustic flooring adhesive 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.
- **Sound Control** - Aquaflex adhesive applied with our patented CBD notch trowel will provide a Delta IIC of 14. This is acoustic performance comparable to a 2mm rubber or 8mm cork acoustic underlayment!
- **Avoid Mitigation** - Aquaflex is not affected by exposures to high pH, moisture or liquid water at any level. Aquaflex will even cure immersed in Concrete Pore Water (CPW)\* at pH 13.5 and remain chemically unchanged indefinitely, (third party verified).
- **Easy Installation** - Aquaflex must be ACTIVATED prior to application. Mix **ACTIVATOR** packet into adhesive with 1/2" drill and wheel. Simply trowel over **SMOOTH, POROUS, CLEAN** concrete. Set immediately, allow 60mins and roll the floor to activate pressure sensitive properties. Commercial sheet vinyl procedures will vary.
- **Extended Open Time** - Flooring can be installed immediately. After 2-3hrs, reactions take place that result in a bond 300% stronger than a standard water-based acrylic adhesive.
- **Improved Shelf Life** - Aquaflex has a stable shelf life. Guaranteed for 1 year after production date with FULL replacement.
- **Excellent Working Properties** - Aquaflex has a working viscosity that will hold to the trowel. The adhesive will grab after approx. 30min of open time. Edge lift of tile will not occur if flooring material is set appropriately. This allows standard installation methods. (See application info)

#### Concrete Surface Preparation

Moisture testing prior to installation per flooring manufacturers instruction is **NOT** a condition of warranty. **Always consult technical advice 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 by mechanical means. Level, firm, **SMOOTH, POROUS** and **CLEAN**. Free of dust, dirt, wax, cut-back, paint, grease, oil, curing agents, mold, bond breakers, residual alkaline salts, or any other foreign material that would inhibit bond.
- **Evaluate concrete surface porosity using the method described in ASTM F3191.**
- Fill pop-outs, cracks, holes, and depressions using **ONLY Aquaflex Patch & Skim**. Substitution of Aquaflex concrete repair products with another manufactures material will not be subject to warranty consideration.
- 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, POROUS** and **CLEAN** in order to facilitate bonding with Aquaflex. If the project is a remodel, remove old adhesive with an appropriate cut-away disk attachment. Additional mechanical measures may be required to achieve necessary porosity and substrate profile.
- To determine **SMOOTH**, gauge the concrete surface using a painter's edge or carpenter's level. A gap in excess of 1/8" may telegraph resulting in visual lippage.
- Finish the **Aquaflex Patch & Skim** products by sanding, vacuuming and giving the slab a final mop for dust removal.
- **DO NOT use sweeping compounds.**



**ANTI-MICROBIAL**  
Prevents Mold Growth

#### Chemical & Physical Properties

<b>Base:</b>	<b>Proprietary</b>
<b>Color:</b>	<b>Gray, Tan or White</b>
<b>Solids:</b>	<b>100%</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>12 months*</b>

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

## 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 installation. Refer to the flooring manufacturer on proper installation method. Consult technical service for job specific recommendations.

- **DO NOT spread adhesive through wet or uncured Patch & Skim.**
- Use ONLY the supplied trowel with each unit, one unit covers approx. 800sf. Layout areas in sections, establish a section size that is easy to manage. **TROWEL ACCURATELY**, do not leave clumps, chatter or “snake tracks” of glue.
- Upon opening pail, slice open the foil bag at the corner forming a spout and pour adhesive into pail. Add the **ACTIVATOR** packet and mix for 60 seconds with a 1/2” drill and mixing blade. Adhesive if left open will form a skin over. Prior to using stored material, REMOVE the adhesive skin. The remaining material is useable.
- **Aquaflex adhesives should never be used as a strategy for smoothing a concrete surface. Do not use Aquaflex adhesives to fill gaps, cracks, pop-outs, saw-cuts or voids of any kind in the concrete.**

## Aquaflex Modified Wet-Set Method

- In order to achieve high rates of production a “modified wet-set” is suggested. Start by establishing a square section size. This could be 10' or 150' wide and determined by the size of the space. Find the center and snap a chalk line bisecting the section. Use preferably a blue chalk color.
- Measure 3 or more tile to the left (approx 3' or an arm's length) and 3 or more tile to the right (approx. 3' or an arm's length) then snap a second and third chalk line bisecting the space.
- Begin spreading adhesive from one end between the outside chalk lines. TROWEL ACCURATELY.
- If alone, spread only what can be installed in 30mins. If with a team, give the adhesive spreader about 10-15' of head-start, then begin setting tile from the outside in, chasing the spreader to the end of the section.
- REPEAT this process on other sections or alongside the first. Each section should take less than 45mins to set. This process can result in more than 3,000sf of installation in less than 8hrs. Call technical service for more details.
- Aquaflex installations can be open to foot traffic in less than 2 Hrs. Floor finish procedures, gondola placement and maintenance in less than 3 hrs. and scissor lifts in 5 hrs. Installations are immediately waterproof.
- **Do not leave cured adhesive at the edge line.** Clean off excess glue prior to moving on. Do not overlap adhesive. **All set and cure times provided are approximate and can vary with site, temperature and substrate condition.**
- **Roll flooring ONCE approx 20mins after flooring** is set with an articulated 100lb roller. Caution: excessive rolling can create lippage with some rigid flooring products over less than smooth concrete.

## Clean-Up & Storage

Store in a clean, dry area to ensure ease of application. **Shelf life is 12-months** from the month of manufacture for 200 Series, 3-6 months for 100 Series. Temperature variations may affect shelf life stability. If a partial container is required, leave the adhesive in the foil bag. Cut a corner of the bag and use as a pour spout. Press the bag together, place it in the pail, then roll and tuck the foil inside the pail.

**NOTE: Aquaflex is solvent resistant when cured. Cured adhesive will be difficult to clean with conventional solvent or soapy water.**

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 48hrs upon receipt. Upon completion a statement of performance (SOP) will be issued. The SOP will provide detailed adhesive bond performance and provide an assessment of expected bond strength.

## Curing

Working (Open) time: **1.5hrs**  
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.

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



## Trowel Performance Data

