

Product Information

Product Description

Aquaflex is the world's **FIRST** and **ONLY PATENTED**, bi-functional, 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), is **RED LIST FREE** 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!
- **Self-Mitigating** - Aquaflex is not affected by exposures to high pH, moisture or liquid standing water at any level. Aquaflex will cure immersed in Concrete Pore Water (CPW)* at pH 13.5 and remain chemically unchanged indefinitely, (third party verified).
- **Bi-Functional** - Aquaflex is a bi-functional, transitioning adhesive and can be set either DRY or WET once ACTIVATED prior to application. Spread and set tile WET immediately (See Modified Wet-Set) or allow 30mins for flash and set using standard Dry-Set methods up to 3hrs after initial trowel. Aquaflex will begin to transition hard after the 3hr working time. Call technical services for more details.
- **Bond Non-Porous Substrates** - Aquaflex will bond to polished concrete or epoxy coated concrete. No need to achieve porosity with our advanced chemistry.
- **Improved Shelf Life** - Aquaflex has a stable shelf life. FULL Replacement Guaranteed for up to 1 year from production date.
- **Excellent Working Properties** - Aquaflex has a working viscosity that will hold to the trowel. The adhesive will grab after a 30min of flash. Edge lift of tile will not occur if flooring material is set appropriately. This allows standard installation methods. (See application info)



ANTI-MICROBIAL
Prevents Mold Growth

Concrete Surface Preparation

Moisture testing prior to installation per flooring manufacturers instruction is **NOT** a condition of warranty.

Always consult technical services prior to installation. Every concrete substrate is unique. Practice "clean as you work" methods.

- Concrete surfaces must be prepared level, firm, **SMOOTH**, and **CLEAN**. Free of dust, dirt, wax, cut-back, paint, grease, oil, curing agents, mold, residual alkaline salts, or any other foreign material that would inhibit bond.
- **Concrete surface porosity is NOT required.** In fact, too much porosity can lead to a weak bond.
- Fill pop-outs, cracks, holes, and depressions using **Aquaflex Patch & Skim**. Only Aquaflex products are warranted by Aquaflex. An alternate manufacturer's material warranty resides with the manufacturer.
- The installation area should be acclimated to at least 60°F for 24 hrs prior, during and 72 hrs following the installation. Consult technical services prior to install if temperatures exceed standard installation parameters.
- The concrete **MUST BE SMOOTH AND CLEAN**. If the project is a remodel, remove old adhesive with an appropriate cut-away disk attachment. **CAUTION** - Resilient flooring will conform to less than **SMOOTH** concrete and may appear wavy and distorted.
- To determine **SMOOTH**, gauge the concrete surface using a painter's edge, dry chalk line or carpenter's level. A gap in excess of 3/16" may telegraph resulting in visual lippage.
- Finish the **Aquaflex Patch & Skim** products by scraping, vacuuming and giving the slab a final mop for dust removal.
- **DO NOT use sweeping compounds.**

DAMP MOP THE FLOOR!
(DAMP NOT WET)

Chemical & Physical Properties

Base:	Proprietary
Color:	Gray, Tan or White
Solids:	100%
Density:	9.7lbs/gal
Flammability:	Nonflammable
VOC:	0g/l, calculated
Application:	See Instructions
Shelf Life:	12 months*

*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 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.**
- **DO NOT SHOT BLAST concrete. This will create excessive porosity.**
- Use ONLY the supplied trowel with each unit, one unit covers approx. 1200sf. 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 entire contents of the **ACTIVATOR** packet and mix for 30 seconds with a 1/2” drill and mixing blade. Adhesive, if left open will form a skin which must be removed. **Never discard excess adhesive from spread by scraping it back into the bucket. Contamination of virgin material will result.**
- **DAMP MOP THE FLOOR!** to remove dust prior to spreading adhesive. If using an Auto-Scrubber, set the water metering at the lowest setting. **NEVER trowel through a wet surface.**
- **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.**

Aquaflex Bi-Functional Adhesive

- Aquaflex is bi-functional and can be used with either a modified **DRY-SET** or **WET-SET** method. Aquaflex does not contain water, so tile may be placed into it immediately after trowel. (See, Aquaflex Modified Wet-Set Installation Process documentation for more). **WET-SET** is the method of choice for wood flooring, rubber, and most roll goods.
- **Aquaflex can be used as a modified DRY-SET.** After 30mins, the adhesive will build grab similar to a water-based PSA. This tack phase is **TRANSITIONAL** and will last for about 3hrs before it slowly begins to cure hard. **NOTE:** Caution must be taken, not to spread more adhesive than what can be installed within this 3hr window or risk having the adhesive begin to transition and harden resulting in a less than desire bond, if at all. Substrate and site conditions may shorten open time.
- **Roll flooring immediately** after flooring is Dry-Set with an articulated 100lb roller. Caution: excessive rolling can create lippage.
- Test transfer by lifting tile. At least 80% coverage is necessary to develop proper bond.
- Aquaflex installations can be open to foot traffic in less than 2hrs after set. Floor finish procedures, gondola placement and maintenance in less than 3hrs and scissor lifts in 5hrs. 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.**

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. Use the Adhesive Remover sponges provided.

Call Customer Service if contamination results. **Aquaflex provides a safe cleaner found effective on cured Aquaflex glue residue, free of charge.**

Statement of Performance

Prior to shipping adhesive and to insure performance, Aquaflex 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:	3hrs
Cure suitable for foot traffic:	3hrs

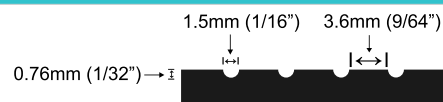
Warranty

Aquaflex is warranted 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 standing water (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



Coverage rate of approx 300sf per gallon
No. 680 CBD notch