

Rev: 7.24.2017

Product Information

Performance

Aquaflex Waterproof Adhesive is not affected by moisture and can be used:

- insitu RH (ASTM F2170) to 100%
- MVER (ASTM F1869) >15lbs/1000sf/day
- pH (ASTM F710) to 14
- Actually cures under water.

Speed

Aquaflex is the only moisture mitigation product that allows installation in active locations.

- Demo existing floor covering
- Prep the concrete substrate
- Install new floor covering
- Cure to foot traffic in <3hrs.

Savings

Aquaflex Moisture Mitigation System is more cost effective when compared to other moisture mitigation systems.

- Faster turnover of space.
- Repair or replacement can occur at night.
- Application of all materials at once.
- Use the same adhesive for Flash Coving.

Green

- LEED for Schools
- Collaborative for High Performance Schools
- Bio-based content, "0" zero VOC.
- California Dept. of Public Health (CDPH)

The System

The Aquaflex Moisture Mitigation System for Commercial Sheet Vinyl includes the following which is supplied for each project:

- Aquaflex Waterproof Adhesive
- Aquaflex D-Gas Primer
- D-Gas brush applicator
- Gundlach No. 680 CBD notch trowel for application
- Aquaflex Patch Mix - waterproof skim coat
- Aquaflex 1+1 Polymer - to be mixed with patch
- Aquaflex Remover Sponge for clean up

Surface Preparation

Moisture testing prior to installation per flooring manufacturers instruction is not a condition of warranty. **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 concrete surface prep is **NOT** required. **Avoid shot-blast or concrete grind.** Fill cracks, holes, and depressions using only materials designed for this intended purpose.
- The installation area should be acclimated to at least 60°F for 24 hrs prior, during and 72 hrs following the installation procedure. Do not install if temperature exceeds 85° F.
- The concrete **MUST** be **smooth, dry, porous and dust-free** in order to facilitate bonding with adhesive. If the project is a remodel, remove old adhesive with an appropriate cut-away disk attachment.
- Sand the concrete with a Clark RS-16DC rotary sander with dust control. Use the appropriate disc for porosity, 20 grit or better.
- **For all areas requiring skim use Aquaflex Skim Fast.** (DO NOT OVER WATER SKIM COAT, absorption of adhesive and loss of bond due to weak skim may result. Warranty will void.)
- Finish the skim coat by sanding and giving the slab a **damp mop** for final dust removal. **DO NOT use sweeping compounds.**

Aquaflex®



ANTI-MICROBIAL
Prevents Mold Growth

Chemical & Physical Properties

| | |
|----------------------|-------------------------|
| Base: | Proprietary |
| Color: | White |
| Solids: | >80% |
| Density: | 9.7lbs/gal |
| Flammability: | Nonflammable |
| VOC: | 0g/l, calculated |
| Application: | See Instructions |
| Shelf Life: | 6 months* |

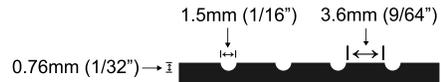
*From date of manufacture and stored in original, sealed container

Commercial Sheet Vinyl Installation

- Aquaflex Adhesive is a wet set adhesive, never spread more adhesive than can be worked in 30 minutes.
- Use the supplied trowel. TROWEL ACCURATELY, do not leave clumps or “snake tracks” of glue. Upon opening pail, slice bag and pour adhesive into pail. Apply adhesive until the pail is ½ empty then switch to a new trowel edge. Plan to install in sections. The section size must be easy to control within the given operating time.
- Acclimate all commercial sheet vinyl per manufacturer's recommendations prior to the installation process. Consult technical service for job specific recommendations.
- Prepare concrete surface by sanding with a Clark RS-16DC rotary sander with dust control. Use the appropriate disc for porosity, 20 grit or better. To the flat, dry, porous concrete apply a thin skim coat of Aquaflex Skim Fast. Allow 40-50mins of cure and sand. Vacuum the concrete surface before proceeding and finish with a damp mop. Do not use sweeping compound.
- Apply one coat of Aquaflex D-Gas Primer over the immediate section prior to adhesive in order to penetrate and “de-gas” the concrete surface. Use the fine nylon push broom supplied. **Do not use a nap roller.** Allow approximately 1hr to cure.
- Fold back the sheet to just over half its length, making sure the remaining half retains its position.
- Spread the adhesive over the previously D-Gassed surface using the CBD notched trowel supplied by Formulators. Maintain the correct size of notch at all times.
- After spreading the adhesive allow approximately 10-15mins of flash time. Fold the sheet vinyl back into the adhesive, rubbing from the center to the edge with a smoothing bar, taking care not to twist the roll or trap air bubbles. **Displace the weight of your body with adequate knee guards.** A 30 minute working time for sheet vinyl placement into the Aquaflex adhesive must be observed (timing to start, when adhesive application begins).
- Roll flooring within 30min of installation process with an articulated 100lb roller lengthwise, and then again at a right angles to the first line of direction per flooring manufacturer’s instructions. **Roll only once.**
- Edge lift of sheet should not occur, however if this happens weight the edge with sand bags sufficient to allow the adhesive time to grab. Do not leave gaps of adhesive at the seam.
- Aquaflex is suitable for use as a flash coving adhesive. Follow manufacturers direction on proper flash coving process.
- Any excess Aquaflex adhesive in the seam area, or on the surface should be cleaned while still wet. Clean off excess glue prior to moving on. Aquaflex adhesive is a hard set adhesive, dries and cures to a non-tacky state. Aquaflex adhesive will dry to a non-tacky final bond in approx 1hr.



Trowel Performance Data



Coverage rate of 250sf per gallon
No. 680 CBD notch

Premature Trafficking

Restrict traffic allowing the adhesive to cure properly after installation or an area has been completed. Premature traffic, heavy rolling loads, etc. may result in tracking, indentation, de-bonding etc. Limit completed areas to light foot traffic during installation and 3 hours after installation is completed. Areas subject to heavy traffic, rolling loads, etc. must be protected with hardboard, plywood or suitable protective covering to protect the sheet vinyl for a minimum of 12 hours.

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. If adhesive is left in pail for storage, it will skin over. Prior to using stored material, remove the adhesive skin.

Store in a clean, dry, warm area to ensure ease of application. Shelf life is one year 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 CAN NOT be cleaned with conventional solvent or soapy water. Practice 'Clean as You Work' methods. Call Customer Service if contamination results. Formulators provides Aquaflex Cleaner which is a safe cleaner found effective on cured Aquaflex residue.

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 **ANY** sub-slab moisture level.

For complete warranty information, see
Formulators Performance Warranty