

Rikett Adhesives Policy - RQT

Rikett has invested much time and research in testing the best adhesives for use with its RQT. Our recommendations are based on all substrate preparation and testing procedures conforming to **ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring** **AND each adhesive manufacturers' published usage instructions**. Rikett recommends using the most current ASTM protocols for ASTM F1869 for testing MVER and ASTM F2170 for testing RH.

Rikett recommends only the following adhesives to install our tile on concrete and wood substrates. These adhesives have been tested and approved by each adhesive manufacturer for use with RQT. They are sold independently by local flooring distributors:

Recommended for RQT:

1. Mapei
 - a. [Ultrabond ECO® 360](#). Hard Set Adhesive.
 - i. RH 90%, MVER 8 lbs, pH 11.
 - b. [Ultrabond ECO® 373](#). Universal Pressure Sensitive Adhesive, (PSA).
 - i. RH 90%, MVER 8 lbs, pH 11.
2. Roberts/QEP
 - a. [Roberts 2350](#). – RH 85%, MVER 8 lbs, pH 10, (Hard Set)
 - b. [Roberts 7350](#). – RH 90%, MVER 10 lbs, pH 10, (PSA)
3. Ardex/Henry – High RH Vinyl Flooring Adhesive.
 - a. [HENRY 695](#) – RH 95%, MVER Not Available, pH 11, (PSA or Wet Set)
4. Spray-Lock® - Spray Adhesives for increased moisture resistance.
 - a. [6500](#) or [9500](#) – RH 98%, MVER 8 lbs, pH 11.
 - b. [6500 Platinum](#) or [9500 Platinum](#) – RH 99%, MVER 10 lbs, pH 12.
5. Aquaflex – Waterproof Installation System by Formulators, Inc.
 - a. [100 Series](#) – RH – Unlimited, MVER Unlimited, pH 13. Moisture testing is not a condition of the warranty.

Always follow the adhesive manufacturer's instructions for handling, storage, application and clean up. Each adhesive manufacturer may have different warranty requirements. It is the responsibility of the flooring contractor to follow the adhesive manufacturer's recommendations. Technical documents relating to Rikett's recommended adhesives can be downloaded at each manufacturer's respective web site or at <https://rikett.net/tech-data/>

Use of Alternate Adhesives - Should our RQT be installed with adhesives other the adhesives recommended above, all adhesive related performance problems are the responsibility of the manufacturer of the alternate adhesive used and the installer who used it. Potential problems include, but are not limited to: bond failure, indentation, shrinkage, shifting, bubbling, edge swelling, adhesive oozing, moisture related failures, etc.

TROWEL: The Gundlach FFA Trowel for use with troweled acrylic adhesives:



The Gundlach FFA Trowel

Spreading adhesive with the wrong trowel is the cause of many installation failures! If you don't have the FFA Trowel, don't start the installation!

The Gundlach FFA Trowel is the correct trowel for applying Rikett's recommended troweled acrylic adhesives to a porous surface. (Spray-Lock and Aquaflex are excluded). The trowel acts as a measuring device. The FFA Blade is a fine notch (1/16"x 1/32"x 1/32") professional trowel that is available either with a wooden handle or as part of the Versablade System.

- Refer to adhesive manufacturers' technical data sheets for estimated spread rates.
- Periodically check your trowel for wear.
- Do not re-notch the Gundlach trowel blade by hand.
- Replace the trowel every 1,000-2,000 s/f.
- Clean old adhesive from your tools using warm water and detergent or mineral spirits.

MOISTURE & PH TESTING ON CONCRETE SUBFLOORS:

ASTM F 2170 RELATIVE HUMIDITY CONCRETE MOISTURE TESTING USING IN SITU PROBES

- Perform the required concrete moisture testing only after the building is fully-enclosed and the HVAC system is fully-operational for at least one week.
- Follow the procedures as described in the most current version of ASTM Test Method F 2170. Failure to follow the detailed procedures in F2170 can lead to a moisture-related installation failure.
- Field testing finds the Wagner Rapid RH® 4.0 System or L6 System provides consistent RH results. For more information, visit the Wagner website at www.rapidrh.com.

- Always follow the adhesive manufacturer's recommended RH limits for moisture, allowing for any stated margins of error.

PH TESTING:

- Concrete floors must be tested for alkalinity prior to the installation of our RQT. To test for pH at the surface of a concrete slab, use wide range pH paper, its associated pH chart, and distilled or de-ionized water. Place several drops of water on a clean concrete surface, forming a puddle 1 inch in diameter. Allow the puddle to set for 1 minute, and then dip the pH paper in the water. Remove immediately and compare to the chart to determine the pH reading.
- Refer to the adhesive manufacturer's published limits for acceptable PH levels.

Document All Moisture and PH Test Results

Moisture and pH test results must be documented by the person conducting the testing and submitted to the general contractor/architect/building owner at the time of testing. Rikett requires documented moisture testing as part of its installation recommendations. Rikett will request copies of pre-installation moisture testing documentation before any claims or complaints will be acknowledged.

Rikett does not warranty adhesives. Adhesive manufacturer's warranty applies to all adhesive products. Please read and follow manufacturer's instructions.

For the most up to date technical information please visit www.rikett.net.

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