

## Standards for ‘In Situ’ or Relative Humidity Moisture Tests

The American Society for Testing Materials (ASTM) committee has changed the ASTM F1869 Calcium Chloride standard to specifically disallow Calcium Chloride testing for all lightweight aggregate concrete.

Stauf warrants all Stauf products when either the Calcium Chloride or the In Situ Relative Humidity (RH) test methods are used to measure moisture content and the results meet the flooring manufacturer’s standards. This warranty applies to poured concrete slabs, lightweight concrete, and essentially any poured sub floor that was formed by mixing with water.

Stauf meets or exceeds all current, published requirements from the leading flooring manufacturers and those of competitive adhesive manufacturers. Stauf comparison for In Situ (RH) testing is as follows:

Calcium Chloride Test	RH in-situ probe	Suitable STAUF products
Up to 3#/1,000SF/24 hours	Up to 75% relative Humidity	WFR-930 SOLVA-MASTIC M2A-900 ECO-MASTIC AUM-800 EZ-Tac all D-Series adhesives
Up to 6#/1,000SF/24 hours	Up to 82% relative Humidity	SMP-940 SUPERIOR (using 35 SF/gal spread rate)
Up to 8#/1,000SF/24 hours	Up to 85% relative Humidity	ACS-210 TRUE-SEAL (using 80 SF/gal spread rate)
Up to 10#/1,000SF/24 hours	Up to 88% relative Humidity	PUM-950 POWER-MASTIC (using 35 SF/gal spread rate)
Up to 14#/1,000SF/24 hours	Up to 92% relative Humidity	SMP-960 ONE-STEP (using 35 SF/gal spread rate)
Up to 18#/1,000SF/24 hours	Up to 97% relative Humidity	ERP-270 PERMA-SEAL (using 140 SF/gal spread rate)
Up to 25#/1,000SF/24 hours	Up to 100% relative Humidity (see note below)	ERP-270 PERMA-SEAL (using 70 SF/gal spread rate)
Up to 25#/1,000SF/24 hours	Up to 100% relative Humidity (see note below)	R105 FLOOR-LINK R201 TURF-LINK M400 REPAIR-LINK (if flooring is suitable for wet environments)

\* Note: the RH (in-situ probe) test method will only read up to 99% humidity with an accuracy of +/- 2%. If reading 98% RH or above STAUF strongly recommends performing calcium chloride moisture tests for further analysis.

Visit our web site at [www.staufusa.com](http://www.staufusa.com) or contact Stauf Technical Services at 901.820.0007 for more information.

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