

## 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 disallow Calcium Chloride testing for all lightweight aggregate concrete specifically.

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. The results meet the flooring manufacturer's standards. This warranty applies to pour concrete slabs, lightweight concrete, and any poured subfloor 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#/24 hr/1000 SF	Up to 75% relative Humidity	WFR-930 Solva-Mastic
Up to 8#/24 hr/1000 SF	Up to 85% relative Humidity	ACS-210 True-Seal, D737ESD High-Tack, CTS-837 VCT Clear Thin Spread,
Up to 12#/24 hr/1000 SF	Up to 90% relative Humidity	D737 High-Tack, LVP-777 Pro-Lux, PSA-832 Pressure Sensitive Adhesive, MPB-821 Contractors Multipurpose Adhesive, MPP-825 Premium Multipurpose Adhesive, BCF-828 Commercial Carpet Adhesive Fast Set, CBA-843 Cove Base Adhesive, UVF-867 Vinyl Flooring Adhesive
Up to 18#/24 hr/1000 SF	Up to 97% relative Humidity*	ERP-270 Perma-Seal (Using 140 SF/gal spread rate)
Up to 25#/24 hr/1000 SF	Up to 100% relative Humidity**	ERP-270 Perma-Seal (Using 70 SF/gal spread rate)
No Limit	No Limit	R701 Xtrem-Link Duo, R721 Turf-Link Duo, R731 Poly-Link, R741 Xtrem-Link Mono, RM400 Repair-Link (If flooring is suitable for wet environments)
No moisture testing required		PUM-950 Power Mastic®, SMP-920 Contractor Polymer, SMP-960 One-Step®, PIC-850 Contractor's Urethane Adhesive, PIC-910 (Specific limitations apply - see back for details)

\* Most RH meters will only be accurate up to 95% RH with a variance of +/- 2%. At that point, the slab has to be considered "wet" and instructions for 100% RH should be followed.

\*\* The highest reading on most RH meters is 99%; there is no 100% or "High" reading. The slab could have more than 100% RH or "liquid" water inside and/or be exposed to hydrostatic pressure or osmotic blistering. STAUF strongly recommends performing calcium chloride moisture tests and/or consulting a concrete specialist for further analysis as these conditions are beyond the limits of our products and are not covered by our warranty.

Visit [www.staufusa.com](http://www.staufusa.com) for more information, or call Technical Services at (901) 820-0007.

## LIMITATIONS

When using other than STAUF products in conjunction with STAUF primers, sealers, leveling compounds, or adhesives, STAUF denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from STAUF.

In case of an accident, injury, spill, or exposure, see SDS for information. Consult the Technical Data Sheet at [www.staufusa.com](http://www.staufusa.com) for updated information.

The foregoing representations are based on the results of our most current product and material testing within a controlled environment and are of a non-obligatory advisory nature only. As such, they do not constitute an express or implied warranty of any kind including the Warranty of Merchantability and/or Fitness for a Particular Purpose. Because we have no control over the actual quality of workmanship, materials used, and worksite conditions, STAUF USA LLC will in no event be liable for any incidental and/or consequential damages. Therefore, we strongly recommend that prior on-site testing be conducted to refer to and study the suitability of the product for the intended purpose. With the release of this Technical Information Sheet, all its prior versions become invalid. For warranty and warranty disclaimer information please see our Limited Lifetime Warranty @ [www.staufusa.com](http://www.staufusa.com)