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Mannington COMMERCIAL

RE: Carpet Moisture Limits

All concrete slabs must be tested for moisture emissions regardless of the grade level or time in place before covering with flooring.

The two most commonly accepted moisture test methods are insitu Percent Relative Humidity (% RH – ASTM F 2170) and the Moisture Vapor Emission (MVE) test (ASTM F 1869 Calcium Chloride method). These procedures must be strictly followed to achieve accurate and repeatable results.

Insitu % RH (ASTM F 2170) measures percent relative humidity in the slab providing an indication of amount of moisture that potentially may come out of the subfloor. ASTM F 1869 measures the rate of moisture or MVE coming out of the surface of the subfloor. Mannington accepts either test criteria as basis for determining moisture acceptability, however, if either test indicates a high moisture rate, the slab must be considered wet.

Recent advancements have permitted Mannington Commercial to warrant higher acceptable moisture values for both % RH and MVER readings. These adhesives, backings or systems are designed to be moisture resistant to accommodate the water of hydration contained in newer concrete subfloors; they are not to be considered remedial solutions to concrete subfloors with a history of moisture problems. Additionally, these advancements are not adversely affected by higher pH levels. **(*See Table Below for more detail*).** PH testing must also be conducted at the time of moisture testing.

Moisture testing only indicates conditions at the time of the test and cannot predict future changes in the moisture levels of the concrete. Neither Mannington nor the flooring contractor can be responsible if moisture levels change in the future.

CARPET BACKING	ADHESIVE	CC	RH	pH
MODULAR				
Infinity, Infinity 2, Infinity 6ft, rEvolve II Cushion	Infinity Adhesive	8 lbs.	90%	10
**do not use Tabs/Spray with rEvolve II Cushion*	FreLock Tabs (3x3 / 3x10)	8 lbs.	90%	10
	XpressStep Spray - Carpet Tile	8 lbs.	90%	11
			New Construction / New Slabs	
Infinity 2 MG / Infinity 2 MG Cushion	MGfleece Adhesive	NA	99%	12
**do not use FreLock Tabs with Infinity 2 MG Cushion*	*FreLock Tabs (3x3 / 3x10)	NA	99%	12
	XpressStep Spray - Carpet Tile	NA	99%	12
			Renovation / Old Slabs	
Infinity 2 MG / Infinity 2 MG Cushion	MGfleece Adhesive	NA	95%	10
**do not use FreLock Tabs with Infinity 2 MG Cushion*	*FreLock Tabs (3x3 / 3x10)	NA	95%	10
	XpressStep Spray - Carpet Tile	NA	95%	10
rEvolve II	RV-500	8 lbs.	90%	10
BROADLOOM				
UltraBac RE / DeltaLoc	Ultra-Adhesive	5 lbs.	85%	9
	M-Guard Ultra Adhesive	8 lbs.	90%	10
Integra HP	Integra 2 Adhesive	8 lbs.	85%	9