

MANNINGTON COMMERCIAL

To Whom It May Concern:

RE: Moisture Emissions from Concrete Floors

This letter is to clarify Mannington Commercial's stated position for moisture emissions from concrete slabs and the installation of our carpets.

Mannington recognizes the Relative Humidity test (ASTM-F 2170) and/or the calcium chloride test (ASTM-F 1869) procedures for measuring moisture emissions from concrete slabs. If both tests are done the RH test would be the qualifying standard. According to ASTM standards the HVAC system should be up and running for 48 hours prior to testing. Alkalinity tests must also be performed. See chart below for acceptable rates.

Backing	Adhesive	Calcium Chloride	Relative Humidity	PH
SBR / UltraBac RE / DeltaLoc	ULTRA (Standard Adhesive)	5 LBS	80%	9
SBR / UltraBac RE / DeltaLoc	M Guard – Ultra (High Moisture Adhesive)	8 LBS	90%	10
Infinity Modular / Infinity RE / Infinity Cushion / Infinity 6 FT / rEvolve Cushion	INFINITY (Standard Adhesive)	5 LBS	80%	9
Infinity Modular / Infinity RE / Infinity Cushion / Infinity 6 FT / rEvolve Cushion	M Guard – 718 (High Moisture Adhesive)	8 LBS	85%	10
Integra HP / Integra HP RE	INTEGRA 2 (Standard & High Moisture)	8 LBS	85%	10
rEvolve	RV-500 (Standard Adhesive)	3 LBS	75%	9
Backing	Spray Adhesive	Calcium Chloride	Relative Humidity	PH
Infinity Modular / Infinity RE Infinity Cushion	XpressStep Spray Adhesive	8 LBS	90%	11
	Adhesive Free System			
Infinity Modular / Infinity RE / Infinity Cushion	FreLock Tabs	5 LBS	85%	9

Sincerely,

MANNINGTON COMMERCIAL
Technical Services