

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 calcium chloride test (ASTM-F 1869) and/or the relative humidity (ASTM-F 2170) procedures for measuring moisture emissions from concrete slabs. According to ASTM standards the HVAC system should be up and running for 48 hours prior to testing, by the relative humidity and /or calcium chloride test. Alkalinity tests must also be performed. See chart below for acceptable rates.

Backing	Adhesive	Calcium Chloride	Relative Humidity	PH
SBR / UltraBac RE / DeltaLoc	ULTRA	5 LBS	80%	9
Infinity Modular / Infinity RE / Infinity Cushion / Infinity 6 FT	INFINITY	3 LBS	75%	9
Integra HP RE	INTEGRA	5 LBS	80%	9
rEvolve	RV-500	3 LBS	75%	9
	Moisture Guard Adhesives			
SBR UltraBac RE / DeltaLoc	MG - 418	8 LBS	85%	10
Infinity Modular / Infinity RE / Infinity Cushion / Infinity 6 FT	MG - 718	8 LBS	85%	10
Integra HP RE	MG - 798	8 LBS	85%	10
rEvolve	Not Available	-	-	-

Sincerely,

Dave Bolt
Technical Services Manager

2/11/10 3/8/11