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Technical Newsletter #20 2.0

Subject: MIRAGE's floated installation specifications

The goal of this technical newsletter is to review the allowed widths by technology, the waterproof acoustic underlayments and the minimum parameters needed to maintain the MIRAGE flooring lifetime structural warranty.

Allowed widths by technology for floated installation:

Technology	Width	Floated installation
TruBalance/Northern Solid Sawn 3/4" (19 mm)	5" to 7-3/4"	Allowed
	9"	Not allowed
TruBalance Lite/Northern Solid Sawn Lite 9/16" (14 mm)	5" & 7"	Allowed
	≥ 8-3/4"	Not allowed
Lock 7/16" (11 mm)	All	Allowed

Membrane criterias:

When installing specified MIRAGE floors with floated installation, we recommends using AcoustiTECH underlayment distributed by MIRAGE.

For greater flexibility in selling MIRAGE products, you may also use other underlayments. However, they have to meet the following minimum criteria:

	Minimum criteria	Limit and comment	Standard
A	Compressibility at 25% deflection **or**	**≥ 6 psi** if between 1 mm and 2.5 mm thick	ASTM D-3575
		≥ 8 psi if between 2.6 mm and 3.5 mm thick	
	Maximum Deflection @ 5 psi of load *test done on one underlayment only*	**≤ 0.6 mm**	ASTM D-3575 (modified)
B	Maximum service temperature	**120°F [50 °C]**	
C	Thickness	**≤ 3.5 mm**	
D	Water vapor transmission [**WVT**]	**≤ 0.6 lb/1,000 sq. ft. /24 hrs**	ASTM E-96

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IMPORTANT NOTE:

Once you have selected your underlayment, MIRAGE cannot be held responsible and makes no guarantees whatsoever regarding:

1. The underlayment manufacturer's long-term warranty
2. The acoustic performance of the underlayment or the floor assembly
3. The chemical composition of the underlayment (VOCs, formaldehyde, or other products)
4. Problems installing the underlayment or its accessories
5. The underlayment supplier's claim management process
6. A underlayment that compromises the stability of the floor due to a slippery top layer causing floor displacement in some areas **The use of installation springs (specially designed for floating products) can help reduce some floor movement.

When you select an underlayment, the manufacturer must guarantee in writing that the underlayment meets all the minimum criteria [A, B, C and D, if waterproof] recommended by MIRAGE. The underlayment manufacturer must also assume sole responsibility for meeting the above-mentioned parameters [1 to 6].

Choosing the right underlayment is a critical step in ensuring the short- and long-term integrity of your MIRAGE floor assembly. Using an underlayment that does not meet the above criteria or that causes any damage to the floor automatically invalidates the lifetime structural warranty on the installed MIRAGE product.