



## Technical Bulletin #20 1.0

**Subject: Parquets Alexandra recommended waterproof acoustic underlayments for use under specified floors with floated installation.**

The goal of this technical newsletter is to review waterproof acoustic underlayments and the minimum parameters needed to maintain the Parquets Alexandra flooring lifetime structural warranty.

- When installing specified Parquets Alexandra floors with floated installation, Parquets Alexandra recommends using AcustiTECH underlayment distributed by Parquets Alexandra.
- For greater flexibility in selling Parquets Alexandra 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 <b>or</b>	<b>≥ 6 psi</b> if between 1 mm and 2.5 mm thick	ASTM D-3575
		<b>≥ 8 psi</b> if between 2.6 mm and 3.5 mm thick	
	Maximum Deflection @ 5 psi of load <i>test done on one underlayment only</i>	<b>≤ 0.6 mm</b>	ASTM D-3575 (modified)
B	Maximum service temperature	<b>120°F [50 °C]</b>	
C	Thickness	<b>≤ 3.5 mm</b>	
D	Water vapor transmission [WVT]	<b>≤ 0.6 lb/1,000 sq. ft. /24 hrs</b>	ASTM E-96

### IMPORTANT NOTE:

Once you have selected your underlayment, Parquets Alexandra 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 Parquets Alexandra. 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 Parquets Alexandra 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 Parquets Alexandra product.**

**MIRAGE Technical Service Department**  
**1-800-463-1303**  
[technical@miragefloors.com](mailto:technical@miragefloors.com)