



Issued on May 7, 2018

## Technical Newsletter #25

**Subject: Floated installation of Engineered flooring of 5", 6-1/2" and 7-3/4" widths, for use within the recommended moisture levels.**

Here are some of the criteria that must be followed and fulfilled in order to achieve a successful floated installation.

**NOTICE: Failure to follow the instructions could result in possible damage to the product thus making the Mirage warranty void.**

1. The relative humidity must always be maintained within a range of **30-60%** for this type of installation. In the Engineered 6-1/2" (1/2" thick), Maple and Hickory are excluded from this installation method.
2. Wood subfloor moisture (plywood or OSB) must read between **6 - 10%**.
3. Moisture content in concrete subfloor: Maximum 3 lbs /1,000 sq.ft. / 24 hours moisture content when using calcium chloride test.
4. Subfloor surface must be flat and maximum tolerance is 3/32" (2 mm) per 7' (2 m).
5. A minimum 1/2" (13 mm) space must be left for expansion around all room fixtures (walls, moldings, columns, pipes, steel door frames, heavy objects, etc.).
6. If a room exceeds 40' (12 m) width or 66' (20 m) length, use a "T" molding to increase the space required for the expansion gap. In irregularly shaped spaces (L-, F-, T- or U-shaped), use a "T" molding for intersections (Illustration A).



### Installation

1. Underlayment pad: The Mirage Ulti-Mat or equivalent (Ref. Technical Newsletter # 20). The recommended underlayment is required when Mirage Engineered 5", 6-1/2" and 7-3/4" is floated.
2. Over radiant heat systems: **Jatoba and Hickory must not be installed over radiant heat systems.**
3. Side joints only should be glued using type 2 wood adhesive. No glue should ever be applied to end joints. (Please refer to the adhesive manufacturer for the mechanical properties of the glue).
4. It is recommended to use 3M blue tape to hold the flooring in place (X pattern to prevent shifting) until the adhesive has completely dried. Straps can also be used to hold the flooring in place.
5. Any excess glue should be cleaned off the surface of the floor immediately as flooring is being installed.

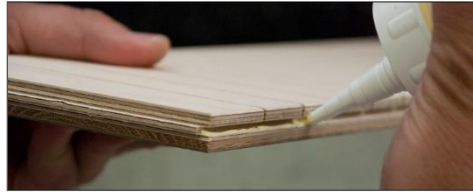
### Replacing a damaged board

The replacement of a damaged board will require precision milling (router) to create a new tongue and groove in order to position the replacement board correctly. Special care must be taken in order to ensure an acceptable result.



### **Glue application**

For best results, apply glue on the top corner of inside groove only (flip board), too much glue may interfere with the installation of the following board. Make sure you clean any glue residue as you go.



Mirage offers a lifetime structural warranty for residential use. In order for the warranty to apply, the product must be installed following the recommendations that are listed in this Communiqué. Failure to follow the manufacturer's instructions, the use of the wrong tools/techniques or any site related issues like buckling or cupping may damage the wood floor, therefore void the manufacturer's warranty.

If you have any questions, please contact our technical support at 1 800-463-1303.

A handwritten signature in black ink, appearing to read "Dino Tremblay".

Dino Tremblay, Technical Department Manager