RENASCI™ RESILIENT FLOORING INSTALLATION RECOMMENDATIONS

All instructions and recommendations are based on the most recent information available. They should be followed for high-quality installation. Visit our website at www.millikenfloors.com.au for the latest information and installation instructions. Contact Milliken Customer Services if there are any specific concerns prior to installation.

Renasci™ resilient flooring is designed to be installed by direct glue to the floor substrate. For quality installation, follow the instructions carefully and use approved adhesives, subfloor preparation materials, and methods. Roughness or unevenness of the subfloor may telegraph through the Renasci™ flooring over time, resulting in an unsightly surface and cause excessive wear on high spots.

Before You Start:

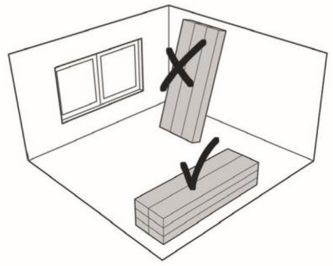
Order all planks for the flooring project at the same time. Compatibility of décor appearance in repeat orders cannot be guaranteed and mixed batches should not be used on the same floor.

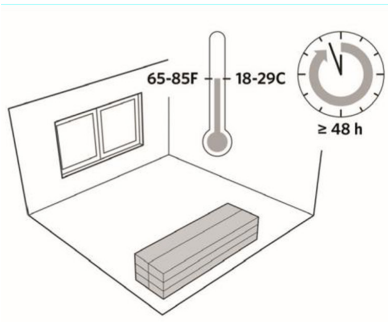
Storage and Acclimatization

1. Handle, store, and transport Renasci™ planks carefully to avoid product distortions. Store and transport boxes of planks on a flat surface, stacked neatly up to 5 boxes high. Never store upright or on side. Do not allow boxes to bend during storage or transportation. Avoid exposure to extreme temperature or humidity conditions.

2. Acclimatize product to site conditions by delivering all materials, including adhesives and sub floor products, to the job site at least 48 hours prior to installation. Store all products at 18° to 29°C for 48 hours prior to installation.

3. The space where flooring is to be installed shall be fully enclosed with the permanent HVAC system operational prior to installing flooring. The temperature shall be 18° to 29°C for 48 hours before installation, during installation and after installation. The temperature of the space shall be kept at a minimum 10°C continually after installation





Subfloor

To prevent adhesion problems, make sure that the subfloor is flat (no more than 3mm variance within 2 meters), smooth, clean (including free from fat, grease, chemical substances, mould, salts, etc.), sound, stable and dry. The floor should be prepared in accordance with the current version of NZS AS 1884 standard.

The type of subfloor, its quality and its preparation will have a huge effect on the final installation result.

Subfloor defects can become visible through the Renasci™ floor finish with time.

Subfloor (continued)

Approved substrates if correctly prepared, include:

- Concrete, Marble, Terrazzo, Ceramic
- Metal floor
- At least 6mm thick Engineered Plyboard (exterior grade only)

Alternative substrates should not be used as they may be prone to excessive movement during the life of the installation.

Any previously installed soft floorcovering and its debris should be removed before installation. (for example: Vinyl, carpet, linoleum, cork.)

Floor should be flat and smooth as per NZS AS 1884 standard using mechanical sanding / grinding or recommended levelling/ patching compound.

The moisture content of the subfloor must be less than 80% Relative Humidity in case of cement screeds. Always measure, record and keep your test results. Without proper record of RH% testing, no warranty claim will be accepted. Sweep and vacuum to remove all debris before carrying out the test.

Milliken will not cover or accept responsibility for any joint telegraphing, either as a “ridge” or “valley” or un-proper subfloor preparation (high moisture or others).

Moisture Test

Moisture testing of all sub-floors is essential before installation can begin. This applies to both new and old buildings.

Moisture testing must be carried out and recorded. All moisture tests must be undertaken in accordance with ASTM F2170 in-situ relative humidity test method. Please note that in-situ probe test method as per ASTM F2170 is the only acceptable test method for measuring humidity of concrete subfloor.
The pH limit is 10.

The sub-floor may be considered dry when the relative humidity (RH) is 80% or below. If readings are above this level, a compatible surface damp- proof membrane can be applied. Consult manufacturers for instructions. Alternatively, sub-floors can be given enough time to dry and retested.

Preparation by Floor Type

Timber Flooring

Timber floors can be made suitable using appropriate grade Plyboard (6mm WPB) to create a sound substrate. Fix the board at 100mm intervals round the perimeter and, 150mm centres to the field. Smooth out board joints using feathering compound.

Sweep, vacuum remove dust and debris.

Tile flooring (Marble, Terrazzo, Ceramic)

If necessary, use a levelling compound to level all grout joints between the tiles. Preferably apply a second levelling compound.

All Flooring

Priming, Levelling and Sanding – All Flooring

It is necessary to apply a primer, to ensure the smoothing / levelling compound has a good adhesion to the subfloor. Use the recommended roller, following the instructions of the primer compound. Once dry, apply a smoothing / levelling compound with a thickness of 3-5 mm, with an appropriate trowel, according to the manufacturer’s instruction.

Finish the application with a spike roller to avoid air inclusions. Follow the recommended drying time as instructed by the manufacturer. Prior to the final glue application, sand the levelling layer as recommended and vacuum.

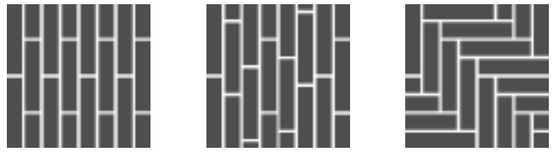
Final Check Before Installation

1. It is a good idea to make a final check of the sub-floor for minor defects.
2. Make sure the planks are installed randomly then you install them, so that you do not end up with too many identical, lighter or dark panels in the same area.
3. Check all planks in daylight before and during installation. Defective pieces must never be used.
4. The floor should preferably be installed parallel to how the light enters the room.

MILLIKEN RENASCI™ RESILIENT FLOORING INSTALLATION RECOMMENDATIONS
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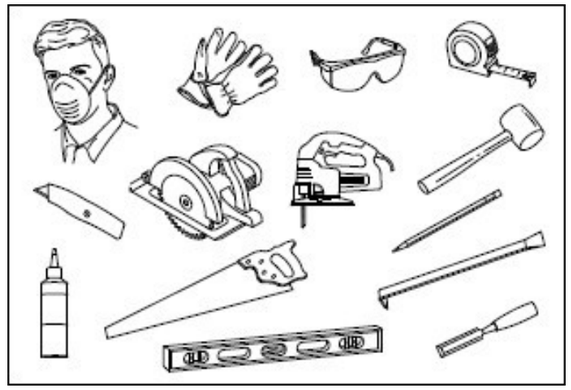
Installation Milliken Renasci™ Flooring

The following installation methods can be used:



Half Drop Random Plank Herringbone

Standard flooring tools are useful for installation, including circular saw, reciprocating jigsaw with fine tooth blade which work well for cutting planks.



1. Measure the room and find the cenrte line. Starting the installation from the centre line ensures a straight and symmetrical installation. The floor should preferably be installed in a direction parallel to the direction that light enters the space.
2. If necessary, you can shift the starting point to prevent any unnecessary small cuts. Renasci™ planks can easily be cut with a jigsaw or circular saw. With the decor side face up find centre line.
3. After troweling the adhesive using A1 trowel, start laying planks from the centre line to the wall using 5mm spacers between each plank.



4. Mix up the panels to aschieve a random decor.
5. Spread the adhesive section by section and lay the planks of 2 rows at a time. Cut the end planks to size ensuring an accurate cut. Use fine tooth blades for easy, accurate and safe cuts.



6. Only a 1-part hard-set adhesive to be used at the recommended spread rate as instructed by the manufacturer.
7. It is strongly recommended to use the correct adhesive and roll with a 3-section 50 kg roller to ensure good transfer.
8. Leave the installed planks for at least 24 hours to let the adhesive dry completely before caulking.

Recommended Adhesives

- Roberts R280 HT Plank & Tile Adhesive
- Bostik STIX A800 Adhesive

Caulking

5mm gaps between the planks should be sealed with a suitable sealant. Below are the steps to achieve a clean and flush caulking.

- Cover the edges of each plank with at least 3cm wide masking tape as shown below
- Fill the gaps generously with a recommended sealant. We recommend MAPESIL AC sealant.
- Scrape the extra sealant with a flat plastic scraper achieving a flush and even finish.
- Remove the masking tapes carefully while the sealant is still wet and let the floor to dry for 24-48 hours.








After Installation

If the plank flooring is not the last part of the construction project, the floor must be protected from construction traffic to avoid any damage.

Wait for 48 hours after installing the product and use a commercially available floor protector to fully cover the floor. Failure to wait 48 hours before covering can impact sealant curing.