

# Insulayment<sup>®</sup>

## INSTALLATION INSTRUCTIONS

**Insulayment Underlayment** is designed for use with most nail, glue down and floating floor products and is flexible, easy to install. This sound reduction underlay system is suitable for use over most types of industry approved sub floors (19mm plywood, concrete, OSB flooring, etc.). Consult with the flooring manufacturer for specific recommendations and requirements for your installation.

### GENERAL INFORMATION:

**Moisture:** All sub-floor assemblies should be tested for moisture before installing your flooring products.

**Wood subfloors:** Using a species specific moisture meter (Tramex, Lingo-Mat, or Delmhorst) determine if conditions are dry before installing. Wood subfloor moisture reading must not exceed 12%; the ideal moisture content within new solid wood flooring is 6%-9%. The differential balance between the wood flooring and subfloor must not exceed 4% or 2% for board widths over 56mm. If moisture readings are too high, postpone the installation, find the moisture source and correct. Raise heat and increase ventilation, holding off installation until proper conditions are met.

**Concrete subfloors:** Prior to installation the moisture content of concrete must be measured. Concrete must be 60 to 90 days old. Moisture testing only establishes the presence of moisture at the time of measurement. Of greater concern is future moisture transferring up through the slab into the surface, therefore the use of a moisture barrier is necessary.

### CONCRETE SLAB MOISTURE TESTING METHODS

AS1884/NZS1884 3.1.1.2 Dryness Before subfloor preparation is performed and a floor covering is laid on a concrete subfloor, the dryness of the concrete shall be determined as described in Appendix A. AS1884 - Appendix A - A3.1 Concrete subfloors A3.1.1 Test methods Wherever possible the relative humidity in-situ probe test in accordance with ASTM F2170 shall be carried out on the subfloor as, even though the surface may record an acceptable moisture content reading, this may not be the case beneath the surface. The only exception to using this test is where there is in-slab heating, a security system, an anti-static wiring installation or where slabs have been treated with a penetrative moisture suppressant. In these cases the surface mounted insulated hood test in accordance with ASTM F2420 shall be performed.

**Rapid (RH)** testing method ASTM F2170: a test for relative humidity within the slab. The results shall not exceed 75% at the time of testing.

**Insulayment Underlayment** is designed to be installed in enclosed areas where temperatures will not fall below 12 deg Celsius or go above 37 deg Celsius. The underlayment and adhesives must be conditioned at 21 degrees Celsius with the relative humidity between 25 % and 65% for at least 24 hrs before and 72 hrs after installation. Product is NOT recommended in areas subjected to heavy rolling loads.

\*In order for any isolation barrier to be effective a certain amount of compressibility/deflection is required and to be expected when installing any flooring over an underlayment. This deflection may cause mild squeaking or "floor noise", especially in nail-down applications. "Excessive squeaking or Floor Noise" can result from; loose or unlevel subflooring or improper installation methods and is not considered a product defect.

## **APPLICATION**

### **NAIL DOWN INSTALLATION:**

*For Mechanically Fastened Solid Wood, Engineered Wood Floors:*

***Sub Surface must be clean and dry , free of contaminates***

1. Roll the Insulayment Underlayment and trim to fit the perimeter of room using fabric shears / carpet shears (maintaining a 6mm gap at perimeter).
2. Roll out next row in same manner butting underlayment close to first row (do not overlap padding) seams should be butted together leaving no gaps or overlaps.
3. When cutting around obstacles or when end of roll seams are butted together tape seams with pvc cloth tape or a quality strapping tape.
4. Install flooring according to the flooring manufacturer's installation Instructions.

**\*\* Wood flooring products need to be a minimum of 10mm thickness** in nail down applications over Insulayment Underlayment.

### **DOUBLE GLUE DOWN INSTALLATION: WOOD, LAMINATE**

*For low profile solids, engineered, and bamboo flooring.*

Surface must be clean, dry and free of contaminants and sealers.

Roll the *Underlayment ( dry run )* out and trim to fit the perimeter of room using fabric shears / carpet shears (maintaining a 6m gap at perimeter). For this glue down application, back roll the underlayment into the roll ready for laying.

Spread the approved Insulayment adhesive to the floor using a 4mm V notch spreader. Roll out the underlayment over the spread adhesive.

Use a 30 kg three section roller to secure *Underlayment* to substrate prior to installation of finished flooring. Allow this to dry.

Now - Install flooring according to the flooring manufacturer's installation instructions.

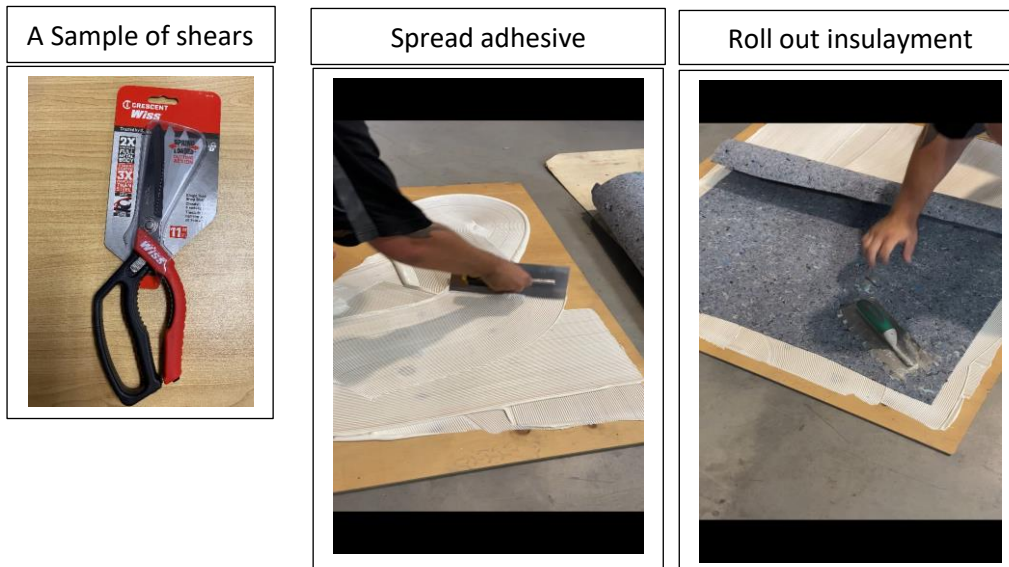
Due to the various subfloors in structures, please consult with the flooring manufacturer for adhesive specifications and approved subfloor recommendations. Only use manufactured recommended adhesive types for adhesion of this underlayment to substrate and flooring product to the underlayment.

### **Installations over concrete:**

Wood floor adhesives alone are not moisture barriers.

For the best results, do not mix adhesive products. Use moisture barriers and adhesives from the same manufacturer.

Prior to installation of finished flooring. Due to the various subfloors in structures, please consult with the flooring manufacturer for adhesive specifications and approved subfloor recommendations. Only use manufactured recommended adhesive types for adhesion of this underlayment to substrate and flooring product to the underlayment.



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**FLOATING FLOOR INSTALLATION: SPC HYBRID , LAMINATE**

*For installation of click together, edge-glue floating engineered wood, click bamboo, laminate (including those with attached cushions)*

Be sure the sub floor surface is clean and dry.

Roll the *Underlayment* roll out and trim to fit the perimeter of floor using fabric shears / carpet shears (maintaining a 12mm to 10mm gap at perimeter).

Seams need to be butted together flush, do not overlap the pad. Roll out next row in same manner butting underlayment close to first row.

Seal seams with pvc cloth tape or a quality strapping tape when cutting around obstacles or when end of roll seams are butted together.

Install flooring according to the flooring manufacturer's installation instructions.

\*Installations over concrete in high moisture areas - Priming the concrete with moisture barrier is required.

