



Installation Instructions

4515 Acoustic Underlay

Regupol®

Material handling, storage and inspection

Check Regupol underlay for thickness and profile. Check for completeness of order. Check adhesive and quantities. Report any discrepancies prior to start of installation.

Store Regupol underlay off the ground, rolls laid flat and out of the elements. **DO NOT GET THE MATERIAL WET OR EXPOSED TO MOISTURE. DO NOT STACK SKIDS OR OTHER MATERIAL ON TOP OF REGUPOL UNDERLAY. NEVER STACK ROLLS ON THEIR ENDS.**

Prior to installation, the Regupol Impact Sound Acoustic Underlays and the adhesives must be conditioned to an ambient temperature, at the actual site, of not less than 15 °C to not more than 26 °C for at least 24 hours. In severe climates a seven day conditioning period may be necessary before installation takes place. Such temperature range must be maintained also during installation and curing of the adhesive.

General conditions

Hydrostatic Pressure: Regupol underlays will not adhere where “hydrostatic pressure” is present. This condition requires the use of a permanent effective moisture barrier. This is an engineering problem and should be referred to an engineering company.

Adhesion Test: Under some possibly critical conditions an adhesion test should be performed. The purpose of the test is to verify if there is a good bond to the subfloor and transfer of adhesive to the back of the flooring and to the subfloor. This test should last at least 72 hours. After this time the removal of the Regupol underlay should be difficult, with some delamination and the adhesive should remain bonded to both the subfloor and the Regupol Acoustic Underlay.

Installation of Regupol Acoustic Underlay should not begin until all other trades are finished in the area. If the job requires other trades to work in the area after the installation of the Regupol the underlay should be protected by the client with an appropriate cover. Areas to receive flooring should be weather tight for a minimum of 48 hours prior to, during and after installation of the Regupol Acoustic Underlay.

Subfloor Preparation

- The subfloor is to be clean and free of any deposit or finish which may impair adhesion or the location and functioning of control joints.
- Mechanically remove all surface treatments including sealers, adhesives, hardeners, curing compounds.
- The surface shall be visually sound and without cracks, crazing, dusting, rain damage, spalling, efflorescence or blistering.
- Subfloor planeness to be no more than 4mm deviation when tested under a two metre straight edge.
- Subfloor smoothness to be no more than 1mm deviation under a 150mm straight edge.
- Subfloor projections to be no more than 0.5mm deviation under a 50mm straight edge.
- Moisture testing of subfloor in accordance with AS1884-2012 APPENDIX A. The moisture content must be at the level required for the selected adhesive before the installation can commence. The relative humidity should not exceed 70%.
- Subfloor pH testing of subfloor in accordance with AS1884-2012 APPENDIX B. The pH level must be at the level required for the selected adhesive before the installation can commence. If the pH level exceeds 9 then it must be neutralised prior to beginning the installation.
- **CAUTION:** Never install the Regupol® Acoustic Underlay's directly to roof top waterproof membranes. For damp proof membranes - contact Regupol Technical Services for testing or advice.



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- The Regupol® Acoustic Underlay installations must be unrolled and installed in the exact same direction.
- Do not flip the rolls over - the face side is on the inside of the material and is exposed when you roll out.
- Consider direction of the finished floor - the underlay needs to be laid at a 90° angle.
- Caution: The roll material is stretched slightly when stored on the cylinder coils. Allow extra length for pullback when cutting material into manageable lengths (minimum 100mm per cut length).
- Position the first roll against the most suitable wall and square with the room. Always assume the walls are not straight and room is not square. The seams need to be straight, so use a chalk line to make a straight edge for the first seam to follow. Allow extra roll width to run up wall and extra length on the first roll to allow for conditioning and trimming (minimum 100mm).
- Cut the material using a tradesman quality snap off blade knife and metal straight edge, allowing extra length to run up the walls for pullback during conditioning period and trimming (minimum 100mm).
- Continue cutting the remainder roll lengths, with extra length, to complete the area.
- Allow all cuts to relax and condition for a minimum of 2 hours and up to 24 hours before trimming or adhering the material (minimum of 2 hours).
- After conditioning - Trim the side of the last roll positioned to obtain a snug, but not overly tight edge that finishes against the wall - do not trim the ends of runs at this stage. Note: Trimming and adhering must be done the same day to avoid shrink back.
- Align the roll edge to the chalk line ensuring a straight edge for the first seams. Position all other rolls ready for adhesive application ensuring a tight butt joint is maintained between sheets - continue to allow extra length for trimming.
- Roll the pieces back up to expose the substrate ready for the adhesive application or alternatively fold the material half width of the run (fold back lengthwise).
- ALL AREAS: Adhesive application Uzin KE 2000 S
 - a. Apply the adhesive evenly onto the surface with a suitable notched trowel (see "Consumption") and, according to the proposed adhesive method, application quantity, climatic conditions, substrate absorbency and covering type, leave an appropriate open time. Only apply as much adhesive as can be covered within the working time with good transfer to the backing of the covering. For standard installation onto prepared surfaces, use the wet/semi-wet adhesive method.
 - b. Any adhesive contamination can be removed whilst fresh using warm water with a little neutral detergent.

Notch	Consumption	Open Time	Working Time
A2	300 - 350 g/m ²	20 - 30 mins	30 - 45 mins

- Carefully roll back the material into the adhesive ensuring the piece is positioned correctly in relation to the edge of the nearest wall or roll edge. Do not drop the material into the adhesive as this will cause air to be trapped under the flooring.
- Ensure that all seams are butt seamed neatly and accurately using the factory edges to ensure no gaps. Trim ends of rolls after laying into the adhesive.
- Do not over compress the roll edge when butt joining rolls as this could cause peaking.
- Immediately roll the material with a medium weight stand up roller prior to the adhesive curing. Roll the entire floor in both directions - this ensures optimum adhesive transference to both surfaces. Repeat rolling process in 45 minutes.
- Weigh down any seams or joins, where necessary, whilst the adhesive is setting. In some cases, it may be required to weight down the seams or hold them temporarily with masking tape (ensuring the masking tape is fit for such an application and of a quality that will not leave a residue on the floor) and always remove tapes as soon as the adhesive sets.
- Leave for 12-24 hours prior to installing flooring over the top.
- Provision for protection should be made if other trades will be working in the area post installation.
- Keep all traffic off the finished floor for 48 hours or as instructed by the flooring contractor, whichever is the greater.
- Do not apply heavy loads or move furniture on the material for 72 hours or as instructed by the flooring contractor, whichever is the greater. Where necessary place MDF sheets to spread the point loading of heavy loads.
- Do not wet the floor for seven (7) days after the installation or as instructed by the flooring contractor, whichever is the greater.



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