

Important Notice

Any circumstances not covered by this guide should be referred to Regupol (Australia) Pty. Ltd. or its Distributors for any particular attention required. There are many factors that may affect the outcome of projects using our products that are beyond our control. Regupol (Australia) Pty. Ltd. cannot be responsible for poor climate conditions, inadequate surface preparation, poor application techniques, not observing curing times, improper thinning of adhesives or any variable beyond our control. No liability is accepted by Regupol (Australia) Pty. Ltd., our employees, distributors, representatives or agents for any loss or damage, direct or indirect, that may result from using the information and/or suggestions as actual conditions for use that are beyond our control. It is important that readers assure themselves they are using the current installation procedure, if in doubt, please contact our team so we can assist you.

Testing and Technical Support

All materials should be checked and tested for their suitability to the prevailing site conditions, our team can assist you with this upon request.

Call us on 02 4624 0050 or email technicalsupport@regupol.com.au

Terms and Conditions of Sale

All purchases are subject to our published Terms and Conditions of Sale visit www.regupol.com.au

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INTRODUCTION

Checklist

The installation of the everroll® collection of rubber flooring products should be in strict accordance with the current Australian Standards AS1884-2012 - Resilient Sheet and Tile - Laying and Maintenance Practice in its complete entirety.

The installation should follow guidance of the written specification as well the manufacturer's installation guidelines and product technical data sheets.

A licensed copy of the Australian Standard AS1884-2012 can be purchased from www.saiglobal.com

Technical support is available - please contact Regupol Technical Services on 02 4624 0050 or email technicalspecifications@regupol.com.au

CONCRETE SEALERS AND ADHESIVES

CONCRETE SEALER/S

Regupol Primer 444 – A water based acrylic primer for porous subfloors in dry areas. Use in conjunction with Regupol One Part Multi-Use Flooring Adhesive.

Regupol Two Part Water Based Epoxy Moisture Sealer – A two part water based epoxy coating moisture and vapour barrier for wet areas. Use in conjunction with Regupol One Part Polyurethane and Regupol Resilient Two Part Polyurethane.

ADHESIVE/S

Regupol One Part Multi-Use Flooring Adhesive (Blue) - A water based synthetic polymer adhesive with moisture resistant properties for dry areas.

Regupol Resilient Two Part Polyurethane Adhesive (Red) - A solvent free, non-flammable two part polyurethane adhesive and for dual bonding everroll® rubber flooring to Regupol® Shockpad Underlay used in a composite flooring system.

JOINT SEALANT

Fix ALL High Tack Adhesive Sealant – A high quality, neutral elastic, 1-component sealant with very high initial tack.

PRE INSTALLATION REQUIREMENTS

SITE INSPECTION

The site inspection by the flooring contractor should be in accordance with the entirety of SECTION 2 PRE-INSTALLATION REQUIREMENTS of AS1884-2012.

The Regupol® Underlay and everroll® rubber flooring are resilient finishes that will naturally form with the sub base provided, it is therefore very important to ensure that pre-installation requirements are completed by the flooring contractor and agreed with by the client prior to commencing works.

The flooring contractor is responsible for the EXCHANGE OF INFORMATION as per AS1884-2012.

The flooring contractor is responsible to ensure that the specifications for all products selected within the flooring structure are tested and warranted to be compatible. This includes existing floor, damp-proof membranes, screeds, underlays, adhesives and floorcovering as per AS1884-2012 2.3.2 Commercial Installations.

The flooring contractor should immediately notify Regupol Technical Services should any uncertainty arise regarding the installation of the Regupol® or everroll® material being fit for purpose.

PROTECTION

The Regupol® and everroll® collection of rubber flooring products do not come with a factory pre-coated finish. Provision for protection should be made if other trades will be working in the area post installation.

TIME LAPSE BEFORE USE

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.

STORAGE OF MATERIALS

Store all materials horizontally indoors and off the ground on a flat, dry level sub-base at all times during warehousing and on-site.

Do not store rolls on cylinder end as this will curl the edges. Any edges that have resulted in permanent memory curl must be removed by cutting straight before installation.

Do not get the material wet or exposed to moisture, failure to keep the material dry prior to and during the installation will make bonding to the substrate very difficult and could lead to adhesion failure.

INSTALLATION WITNESS POINT INSPECTIONS

Instructions should be given to ensure sufficient notice so that inspections can be made at the following stages of installation. Inspections should be signed by head contractor, architect, interior designer or client and recorded for warranty purposes:

- At completion of substrate preparation
- Immediately before fixing the material
- At completion of installation
- Before applying any additional surface coatings, sealers, line markings etc.

SUBFLOORS AND UNDERLAYS

SUBFLOOR PREPARATION AND TESTING

The subfloor preparation, inspection, testing and acceptance by the flooring contractor should be in accordance with SECTION 3 SUBFLOORS AND UNDERLAYS of AS1884-2012 in its entirety.

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 (2) 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 75% tested to ASTM F2170 or should not exceed 70% tested to ASTM F2420.

Use Regupol Two Part Water Based Epoxy Moisture Sealer if the substrate exceeds the required moisture content - contact Regupol Technical Services.

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.

Timber, Plywood and Particle Board Subfloors must comply with AS1884-2012. Under certain lighting conditions the underlay joint may show through the everroll® Composite rubber flooring.

Hardboard underlay, fibre cement underlay must comply with AS1884-2012. Under certain lighting conditions the underlay joint may show through the everroll® Composite rubber flooring.

Sand-cement screed subfloors will only be acceptable with the use of polymer additive. The screed should achieve a compressive strength of 20MPa and a tensile strength of 1.5 MPa.

For metal, steel, aluminium, fibreglass surfaces contact Regupol Technical Services.

For adhesion testing conducted in wet areas and especially swimming pool surrounds - ensure the Regupol Two Part Water Based Epoxy Moisture Sealer is also used and allowed to fully cure - prior to applying the adhesive and material, but not left open for more than 24 hours - refer to technical data sheet.

CAUTION: *Never install Regupol® Underlay or everroll® collection of rubber flooring directly to roof top waterproof membranes. For damp proof membranes - contact Regupol Technical Services for testing or advice.*

SPECIAL NOTE

The Flooring contractor is responsible to ensure that the specifications for all products selected within the flooring structure are tested and warranted to be compatible. This includes existing floor, damp-proof membranes, screeds, underlays, adhesives and floorcovering as per AS1884-2012 2.3.2 Commercial Installations.

GENERAL CONDITIONING

CONDITIONING OF FLOOR COVERING AND SUBFLOOR

The conditioning of floor covering, adhesives and subfloor by the flooring contractor should be in accordance with SECTION 4 CONDITIONING OF FLOOR COVERING AND SUBFLOOR of AS1884-2012 in its entirety.

Regupol recommends that the Regupol® Underlay and everroll® rubber flooring be rolled out and cut to approximate size and slab stacked face up. Allow at least 75-100mm for trimming in after adhesion.

The cut runs should be then left overnight and preferably for 24 hours to condition at a minimum temperature of 18°C.

During the installation the ambient temperature should be between 10°C and 28°C

SITE CONDITIONS

Outdoor installations must be fully dry prior to starting works.

The building must be fully enclosed and weather tight prior to starting works.

The installation should not commence unless all other trades are completed and all surfaces are dry.

The materials do not come with a factory pre-coated finish, therefore, provision for protection should be made to ensure no damage by other trades, construction activities or debris.

INSTALLATION GUIDELINES

INSTALLATION

The flooring contractor general installation procedures should be in accordance with SECTION 4.2 GENERAL INSTALLATION PROCEDURES of AS1884-2012 in its entirety.

The flooring contractor installation procedures should be in accordance with SECTION 5.4 RUBBER SHEET AND ROLLS of AS1884-2012 along with the following manufacturer's recommendations.

MATERIAL INSPECTION

The Regupol® and everroll® collection of rubber flooring products are made from recycled materials and slight variations in the EPDM colour chip dispersion or shading is normal, however, it is very important to inspect the material for visual defects prior to beginning the installation.

Lay out the area to check for colour consistency before adhering and trimming the material.

Inspect the material to verify the material delivered is the correct style, code and quantity.

SPECIAL NOTE

Prior to installation, the installer must report any severe discrepancies to Regupol immediately. Do not install the material as no warranty claim will be honoured on material installed with visual defects.

EXPANSION JOINTS

All expansion or movement joints must be carried through the material and the substrate material and back to ground substrate.

All expansion joints to be filled with a permanently deformable material and be resistant to chemical and physical attack such as Fix ALL High Tack Adhesive Sealant or similar.

GROUTING & PERIMETER EDGES

Grouting and perimeter edges are to be filled with a permanently deformable material and be resistant to chemical and physical attack such as Fix ALL High tack Adhesive Sealant or similar.

INSTALLATION OF UNDERLAY

UNDERLAY INSTALLATION

The installation of the Regupol® Underlay is the first step to achieving the everroll® Composite rubber flooring system. The Regupol® Underlay must be installed perpendicular or offset parallel to the everroll® rubber flooring.

The Regupol® Underlay must be unrolled perpendicular or offset parallel to the everroll® rubber flooring installation.

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).*

1. 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).
2. 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).
3. Continue cutting the remainder roll lengths, with extra length, to complete the area.
4. Allow all cuts to relax and condition for 24 hours before trimming or adhering the material.
5. 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.*

6. Align the roll edge to the chalk line ensuring a straight edge for the first seams.
7. Position all other rolls ready for adhesive application ensuring a tight butt joint is maintained between sheets - continue to allow extra length for trimming.
8. 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).
9. Apply the specified Regupol Adhesive - as per the adhesive technical data sheet - using the specified trowel size to ensure correct volume and coverage. Carefully monitor your trowel notches – do not use worn trowels – they will not allow for adequate adhesive transfer.
10. Starting from the midpoint of the room, evenly spread the adhesive. Take care not to spread more adhesive than can be laid into before the adhesive starts to skin over (climate conditions will vary this time frame). Work within the timing of the adhesive pot life.
11. Evenly spread the adhesive using the specified trowel - any excess adhesive ridges or pooling will cause telegraphing through the material and or bleed through at seams.
12. 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 underlay.
13. 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.
14. Do not over compress the roll edge when butt joining rolls as this could cause peaking.
15. 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.

- 16. Weigh down any seams or joins, where necessary, whilst the adhesive is setting.
- 17. The Regupol® and everroll® collection of rubber flooring do not come with a factory pre-coated finish. Provision for protection should be made if other trades will be working in the area post installation.
- 18. Keep all traffic off the finished floor for 48 hours or as instructed by the flooring contractor, whichever is the greater.
- 19. 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.
- 20. Do not wet the floor for seven (7) days after the installation or as instructed by the flooring contractor, whichever is the greater.

INSTALLATION OF FLOORING

FLOOR INSTALLATION

The everroll® roll must be unrolled and installed in the exact same direction. Ensure the floor is installed either perpendicular or offset parallel to the Regupol® Underlay.

Please check the color mark of the everroll® roll before commencing the installation:

1. A **GREEN** mark/label indicates the face side is on the **inside** of the roll. Do not flip the rolls over. See Figure 1.
2. A **YELLOW** mark/label indicates the face side is on the **outside** of the roll. Please flip the rolls over. See Figure 2.



Fig. 1 - GREEN MARKED
Face is inside of roll



Fig. 2 - YELLOW MARKED
Face is outside of roll

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).

1. 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).
2. 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).
3. Continue cutting the remainder roll lengths, with extra length, to complete the area.
4. Allow all cuts to relax and condition for 24 hours before trimming or adhering the material.
5. 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.

6. Align the roll edge to the chalk line ensuring a straight edge for the first seams.
7. Position all other rolls ready for adhesive application ensuring a tight butt joint is maintained between sheets - continue to allow extra length for trimming.
8. 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).
9. Apply the specified Regupol Adhesive - as per the adhesive technical data sheet - using the specified trowel size to ensure correct volume and coverage. Carefully monitor your trowel notches – do not use worn trowels – they will not allow for adequate adhesive transfer.
10. Starting from the midpoint of the room, evenly spread the adhesive. Take care not to spread more adhesive than can be laid into before the adhesive starts to skin over (climate conditions will vary this time frame). Work within the timing of the adhesive pot life.
11. Evenly spread the adhesive using the specified trowel - any excess adhesive ridges or pooling will cause telegraphing through the material and or bleed through at seams.
12. 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.

