

Regupol® EQUINE RUBBER SAFETY SURFACES

# INSTALLATION GUIDELINES TILES & PAVERS

Regupol®

everroll®



**Regupol**  
Australia

## 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 [technicalspecifications@regupol.com.au](mailto:technicalspecifications@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](http://www.regupol.com.au)

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# INTRODUCTION

## Checklist

The installation of the Regupol® Equine Rubber Safety Surfaces 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 manufacturers' installation guidelines and product technical data sheets.

A licensed copy of the Australian Standard AS1884-2012 can be purchased from [www.saiglobal.com](http://www.saiglobal.com)

Technical support is available - please contact Regupol Technical services on 02 4624 0050 or email [technicalspecifications@regupol.com.au](mailto:technicalspecifications@regupol.com.au)

# CONCRETE SEALERS AND ADHESIVES

## CONCRETE SEALER/S

**Regupol Two Part Epoxy Water Based Moisture Sealer** - A two part water based epoxy coating moisture and vapour barrier.

## ADHESIVE/S

**Regupol One Part Polyurethane Adhesive** - A solvent free elastomeric moisture cured one part polyurethane adhesive for wet areas.

**Regupol Two Part Polyurethane Adhesive** - A solvent free, non-flammable two part polyurethane adhesive for wet areas.

## 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.

Please 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® Equine Rubber Safety Surfaces material being fit for purpose.

## PROTECTION

The Regupol® Equine Safety Surface 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 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 client and recorded for warranty purposes:

- At completion of substrate preparation
- Immediately before fixing the material
- At completion of installation



# 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.

Existing coverings and finishes are not a suitable surface to adhere Regupol® Equine Rubber Safety Surfaces

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 Regupol® Equine Rubber Safety Surfaces.

Hardboard underlay, fibre cement underlay must comply with AS1884-2012. Under certain lighting conditions the underlay joint may show through the Regupol® Equine Rubber Safety Surfaces.

Sand-cement screed subfloors will only be acceptable with the use of a 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.

### 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. Contact Regupol Technical Specifications for test materials or further assistance.

# 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.

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 5.6 LUXURY VINYL TILE AND PLANK of AS1884-2012 along with the following manufacturers' recommendations.

## MATERIAL INSPECTION

The Regupol® Equine Rubber Safety Surface products are made from recycled materials and slight variations in the EPDM colour chip dispersion or colour 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 FLOORING

## TILE AND PAVER INSTALLATION

1. Before you begin the installation you must find the centre point of the room and make two perpendicular lines through the centre of the room, ensuring that the lines are perfectly square - as shown in drawing "1".
2. You will be starting the installation from any one of the four (4) quarters working from the centre outwards to the perimeter wall, so ensure you store your tiles and planks in the direction you will be commencing from.
3. You will need to cut the material using a tradesman quality snap off blade knife and metal straight edge.
4. You will need a V2 2.4mm Trowel to spread the adhesive.
5. You will need a medium weight resilient floor roller to ensure sufficient adhesive transfer is made.
6. You are ready to start.
7. Apply the specified Regupol Adhesive - as per the adhesive technical data sheet. Carefully monitor your trowel notches – do not use worn trowels – they will not allow for adequate adhesive transfer.
8. 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.
9. Evenly spread the adhesive - any excess adhesive ridges or pooling will cause telegraphing through the material and or bleed through at seams.
10. Start laying the Regupol® Equine Rubber Safety Tiles or Pavers from the centre across the chalk line as shown in drawing "2".
11. The product should be cut flush and fitted closely to walls and fixtures.
12. 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.
13. Weigh down any seams or joins, where necessary, whilst the adhesive is setting.
14. Once the adhesive has set – grout the perimeter edges with Fix ALL High Tack Adhesive Sealant or similar.
15. Protection of the floor should be made if other trades will be working in the area post installation.
16. Keep all traffic off the finished floor for 48 hours or as instructed by the flooring contractor, whichever is the greater.
17. 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.

18. Do not wet the floor for seven (7) days after the installation or as instructed by the flooring contractor, whichever is the greater.

