

PRODUCT INFORMATION

Regupol One Part Polyurethane Adhesive

everroll®

Regupol®



Regupol
(Australia) Pty. Ltd.

Product Information Sheet

Regupol One Part Polyurethane Adhesive



DESCRIPTION

The Regupol One Part Polyurethane Adhesive is an elastomeric moisture cured, solvent free polyurethane adhesive. The adhesive is used to adhere Regupol® Acoustic Underlay's in multi-residential living to soundproof timber and tiled floors. The adhesive is also used to install everroll® rubber flooring to the Regupol® 4080 Acoustic Underlay as a dual bonded acoustic flooring. This product is suitable for wet areas

CHARACTERISTICS

- One part requires no mixing
- Non flammable
- High bond strength
- Flexible
- Sandable after 3 days
- Spreads easily
- Fast setting
- VOC Compliant
- Australian Made

PHYSICAL PROPERTIES

Appearance:	Brown
Base:	Polyurethane
Viscosity:	150,000 – 200,000 cps at 25°C
Solids:	99%
Drying Time:	3-4 hours
Shelf life:	12 months in unopened container at 25°C
Available In:	10Ltr containers
Specific gravity:	1.26kg/ltr

COVERAGE

1. When adhering Regupol® or everroll® directly to the substrate – use a V2 (2.4mm) trowel – allow approx. 1.0-1.5m² per kg or 11m² per pot.
2. When adhering everroll® rubber flooring to the Regupol® 4080 Acoustic Underlay – use a V2 (2.4mm) trowel – allow approx. 1.0m² per kg or 10m² per pot.

SURFACE PREPARATION

All sub-floor surfaces shall be dry, smooth, sound and clean, free of wax, grease and all other contaminants that inhibit adequate adhesion to the sub-floor. The sub-floor must also be free from hydrostatic pressure or capillary action. The adhesive should not be used in excessive cold or hot conditions i.e. the ambient temperature should not be lower than 8°C or above 28°C.

It is recommended that highly porous timber or concrete sub-floor surfaces be sealed with Regupol Two Part Water Based Epoxy Moisture Sealer and allowed to cure before applying adhesive. Ensure the adhesive is applied to the sealer within 48 hours of the application. Uneven or damaged floors should be repaired with a cementitious leveling compound.

Timber sub-floors should be tested with an appropriate electrical resistance meter. The timber sub-floor should contain a maximum moisture content of 12%. All concrete sub-floors should be tested for relative humidity (RH) prior to sealing or application of adhesive. Ensure the RH (use in situ probe method ASTM F2170 current version) of the concrete sub-floor does not exceed 85%. Also ensure the surface pH of the concrete sub-floor is no greater than 9. Burnished concrete sub-floors must be ground back to allow for sufficient porosity and adhesion to the sub-floor.

If the sub-floor exceeds the above recommended moisture, pH and RH levels, sufficient remediation is required prior to the use of this adhesive. All sub-floors should be in accordance with current Australian Standard installation practices.

APPLICATION

Bonding Regupol® Acoustic Underlay

1. Apply the adhesive evenly with a "V2" (2.4mm) trowel at a rate no greater than 1.0-1.5m²/L. Spread in a continuous "S" sweeping motion.
2. Place the Regupol® Acoustic Underlay into the wet adhesive; ensure the adhesive does not skin over or set prior to placing the Regupol® into the adhesive.
3. Roll the Regupol® with a suitable roller prior to the adhesive drying, as this allows for adhesive transference between the Regupol® and the substrate.
4. Allow minimum of 24 hours for adhesive to cure.

Bonding everroll® Rubber Flooring To Regupol® 4080 Acoustic Underlay

1. Apply the adhesive evenly with a "V2" (2.4mm) trowel at a rate no greater than 0.7-0.9m²/L. Spread in a continuous "S" sweeping motion.
2. Place the everroll® rubber flooring into the wet adhesive; ensure the adhesive does not skin over or set prior to placing the everroll® into the adhesive.
3. Roll the everroll® with a suitable roller prior to the adhesive drying, as this allows for adhesive transference between the everroll® and the Regupol® 4080 Acoustic Underlay.
4. Allow minimum of 24 hours for adhesive to cure.

Bonding Timber Flooring Systems To Selected Regupol® Acoustic Underlays

1. a) For bonding Parquetry or Plywood sheet use a “V3” type trowel (3mm x 3mm notch)
b) For bonding T&G, Overlay or Engineered Timber Flooring use a “V5” type trowel (4.8mm x 6.4mm deep notch).
2. Apply the adhesive evenly and spread in a continuous “S” sweeping motion.
3. Install the timber into the wet adhesive, ensure the adhesive does not skin over or set prior to installing timber flooring.
4. Ensure the timber makes good contact with the adhesive to enable complete transference of adhesive between the substrate and timber backing. This can be achieved by clamping, weighting or other means of applying downward pressure whilst installing the timber flooring.
5. Once the timber is installed do not allow heavy traffic for 24 hours.
6. Sanding can commence 3 to 7 days after the completion of the entire installation. Please note sanding times may vary due to climatic conditions please check with the manufacturer.

CLEAN UP

Remove excess adhesive while still wet with methylated spirits. Tools must also be cleaned with methylated spirits before adhesive sets. Once the adhesive has cured, it can only be removed mechanically.

VENTILATION

Always make sure there is adequate ventilation when using this product. In enclosed areas use local exhaust ventilation.

CAUTION

- Ensure gloves are worn when applying the polyurethane adhesive. If adhesive comes in contact with the skin, immediately wipe off with a dry cloth.
- Avoid contact with water or alcohol before use and before complete cure.
- Do not use adhesive in excessive hot or cold ambient conditions i.e. below 8°C or above 28°C.
- This adhesive will not stand up to hydrostatic pressure or capillary action.
- Ensure your trowel is notched to the manufacturers recommendations at all times.
- Timber flooring systems must be acclimatized, refer to the timber flooring manufacturers recommendations prior to the use of this adhesive.
- If in doubt regarding suitability of adhesive, always contact the manufacturer.
- Always follow manufacturer’s instructions.
- Do not allow the adhesive to skin over / set prior to the installation.

STORAGE

May be stored for twelve months, in unopened sealed containers under cover at 20°C.

Do not allow to freeze. The adhesive is unaffected by freezing when dry.

NOTE: Adhesive will cure when exposed to air. To re-seal partially used containers, follow these steps:

To close container:

1. Cover product with a piece of plastic
OR
Bring bag together and re tie.
2. Secure lid tightly to pail.

To Re-open container:

1. Remove lid.
2. Untie and fold down bag.
3. Carefully cut and discard cured adhesive and plastic from top of remaining adhesive.
4. Any uncured material may now be used.

NOTICE TO THE PURCHASER

All statements and technical information contained herein are based on tests we believe to be reliable but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of this product and must confirm the suitability thereof by their own tests. Conditions of sale contain a limited warranty against manufacturing defects.

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