

TO BE USED IN CONJUNCTION WITH GEI RESILIENT FLOORING  
INSTALLATION GUIDE.

BEFORE COMMENCING WORK, ASK THE DEVELOPER OR  
BUILDER FOR A COPY OF THE PERMIT PLAN.

INSPECT THE PLAN TO ENSURE FLEXI-SEAL IS SPECIFIED ON THE  
PLAN, FOR USE ON WET AREAS FOR THAT PROJECT.

IF FLEXI-SEAL IS NOT SPECIFIED, AND ANOTHER PRODUCT IS,  
YOU SHOULD ASK THE DEVELOPER OR BUILDER FOR A LETTER  
STATING THEY ARE HAPPY FOR YOU TO USE FLEXI-SEAL RATHER  
THAN THE PRODUCT SPECIFIED.



## Training Checklist

*Please tick each bullet point as completed*

- Understanding of products within the system
- Understanding of various applications of products
- Onsite measuring and mixing of products
- Onsite application of primers
- Understanding of moisture meter and moisture contents
- Onsite application of deck joint reinforcing
- Onsite application of Bondbreaker Silicone and PEF Rod
- Onsite application of Bondbreaker Butylseal Tape
- Onsite application of P.U.D Liquid Membrane
- Understanding of applicators producer statement
- Understanding of guarantee

**PLEASE COMPLETE THIS FORM IN CLEAR BLOCK LETTERS**

**COMPLETE IN FULL**

**Date:** \_\_\_\_\_

**Approved Applicator Full Name:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

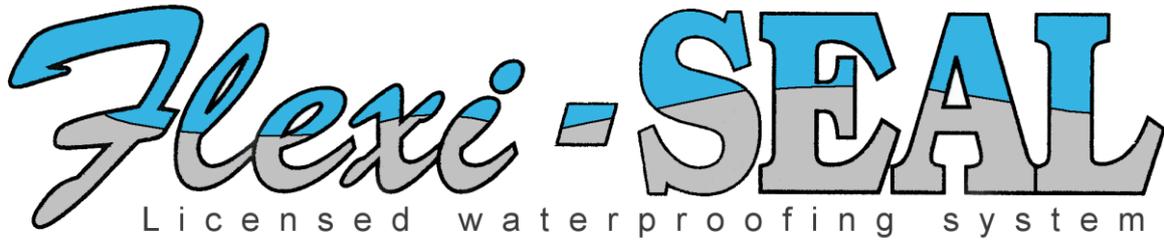
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**Phone No:** \_\_\_\_\_

**Email:** \_\_\_\_\_

*I hereby declare that I have fully understood the system and installation procedures:*

**Signed:** \_\_\_\_\_



## LICENSED APPLICATORS PRODUCER STATEMENT

*For owner/builder or developer to present on final inspection to territorial authority to achieve final Certificate of Compliance*

The products, system and installation procedures incorporated within the Flexi-Seal Waterproofing System have undergone stringent testing and audit, and the results have been confirmed by issue of BRANZ appraisals.

**BRANZ Appraisal Certificate 474 (2010) Internal**

**BRANZ Appraisal Certificate 475 (2010) External**

As the licensed applicator, we have installed the Flexi-Seal PUD to system specification, and that this meets Clause E3 Internal Moisture and/or Clause E2 External Moisture.

The attached 15 year product guarantee applies.

Licensed Applicator Surname: \_\_\_\_\_ First Name(s): \_\_\_\_\_

License Number: \_\_\_\_\_

Date of Job Completion: \_\_\_\_\_

Job Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Licensed Applicator's Signature: \_\_\_\_\_



## Manufacturer's 15 year Limited Warranty

**RLA Polymers Pty Ltd. undertakes to warranty Flexi-Seal PUD for a period of fifteen (15) years, from date of purchase on the following basis:**

The fifteen year warranty covers any waterproofing failure that is proven as being caused by faulty product. RLA Polymers has tested and recommends the use of *RLA Flex 1-Part*, *Techbond 14*, *Deltaflex*, *Flexibond NS*, *Just-2-Ezy*, *Moreflex* or *Tileflex* to adhere subsequent tiles to the surface of Flexi-Seal PUD, depending upon substrate and usage. In the event of a failure occurring as a result of Flexi-Seal PUD being shown to be faulty, RLA Polymers undertakes that within the first 5 years of the 15 year warranty period to pay all current material and labour costs of any rectification work required, after this 5 year period, a proportion of these costs at the rate of 10% of such cost for each unexpired year of the 10 year period remaining, subject to the following:

### **Scope**

- a) RLA Polymers' liability is limited to the area that requires repair only, and to replace waterproofing, tiles, adhesive and grout only;
- b) RLA Polymers retains the right to appoint a suitably skilled tiler/waterproofer of its own choice to undertake repairs;
- c) In the event that replacement tiles are not readily or reasonably available, RLA Polymers will not be obligated to exactly match the existing tiles;
- d) The installation must be registered with RLA Polymers by completing and returning the RLA Waterproofing Registration form as soon as practical after completion of installation. Receipt of this must be acknowledged by RLA Polymers.

### **Limitations**

RLA Polymers will not accept liability for circumstances beyond its control, including but not limited to:

- a) Failure resulting from structural movement, including shrinkage, excessive vibration and/or deflection, subsidence;
- b) Failure caused by third parties, unknown environmental conditions, usage conditions beyond RLA Polymers' control;
- c) Failure resulting from incorrect installation. RLA Polymers is in no way responsible for incorrect installation by any applicators;
- d) Failure caused by deviation from RLA Polymers written instructions, specifications and data sheets, and non-compliance with BRANZ® good tiling practice and A.S. 3957:1990 parts 1 and 2. If the product is acquired for business purposes, it is agreed that the Consumers Guarantee Act 1993 does not apply. RLA Polymers liability in respect to the product is limited to the remedies set out in this warranty.

### **Manufacturer**

**RLA Group Australia**  
215 Colchester Road (P.O. Box 147)  
Kilsyth, Victoria 3137, Australia  
Phone: 1800 242 931  
Fax: 1800 627 943  
Email: sales@rlagroup.com.au

### **Distributor**

**RLA Polymers NZ Ltd**  
24-28 Lady Ruby Drive  
East Tamaki, Auckland 2013, New Zealand  
Phone: 09 267 2772  
Fax: 09 268 0305  
Email: sales@rlapolymers.co.nz

# RLA Online Waterproofing Registration

RLA Polymers now offers an Online Registration system which helps us reduce response times on job registration as well as streamlining the process and cataloguing registrations on the fly.

To use the online system:

1. Use your web browser to navigate to [www.flexiseal.co.nz/wpm-reg.html](http://www.flexiseal.co.nz/wpm-reg.html)
2. Fill out the form with your applicator number and details.
3. Complete the job details section. Ensure you include the BATCH Number from your Flexi Seal PUD Bucket.
4. Once the form is complete, if your supplier or employer needs to receive a copy of the signed form, add a comment with their email address in.
5. Submit the form. You'll be notified that your application has been received.
6. Depending on circumstances, usually response will be same day. Please do not re-submit the form if you don't receive it fast enough.
7. You will receive an email with a PDF copy of a registration sheet attached and signed.

If you have any questions or queries, or you need to contact someone in regards to your WPM registration, please email [jordan@rlapolymers.co.nz](mailto:jordan@rlapolymers.co.nz) or call us on (09) 267 2772.

## **INSTALLATION INSTRUCTIONS FOR FLEXI-SEAL P.U.D**

*(TO BE READ IN CONJUNCTION WITH EACH PRODUCT SPEC SHEET)*

### **Substrate Preparation, Priming and Taping**

- 1) Ensure surfaces are relatively clean and free of dust and laitance prior to priming.
- 2) Firstly, prime wall-to-wall and wall-to-floor junctions with *RLA UNIVERSAL PRIMER*. To prime all substrates such as gib board, concrete and cement based screeds, the universal primer can be diluted (see more information regarding this below).
- 3) It is recommended to spot prime galvanised nail and screw heads with undiluted *RLA UNIVERSAL PRIMER* before filling screw holes with a propriety filler such as *AFTEK Acrylic GAP FILLER*
- 4) Once the primers and fillers used have sufficiently dried to a tacky cure, install neutral cure silicone to all wall-to-wall and wall-to-floor junctions for the purpose of acting as a bond-breaker. We recommend *NPT Silcoflex 590 Wet Area Neutral Cure Silicone*, although alternative products may suffice.
- 5) A small scallop of neutral cure silicone can be used if the wall linings are within 5mm of the floor (for wall-to-floor junctions), otherwise fill larger gaps greater than 6mm with a *PEF ROD* before measuring, cutting and applying *80mm BUTYLSEAL TAPE* to all junctions and corners.
- 6) Apply tape to one substrate by removing split back plastic backing and then the opposing substrate.
- 7) A *300mm x 300mm BUTYLSEAL TAPE SQUARE* should be used over primed *PVC* waste outlets. First apply a thin bead of neutral cure silicone around the outside lip of the waste and allow to cure. Apply the *Butyl-Seal Tape square* evenly over the centre of the drain hole. Cut an 'X' from the centre of the drain into the side of each piece of tape, and carefully turn the tape down into the centre of the waste outlet. This should give you an overlap all the way around the waste which will give a good transition for the waterproofing and will also provide security in the situation where screeds meet waste traps.
- 8) Apply a single thick coat over all bond-breaker junctions prior to waterproofing proper.

### **Application of Flexi-Seal P.U.D:**

**For Compliance to E3/AS1 requirements for secondary waterproofing barrier for installation of Resilient Flooring:**

**Flexi-Seal P.U.D is used undiluted straight from the bucket. Stir before use.**

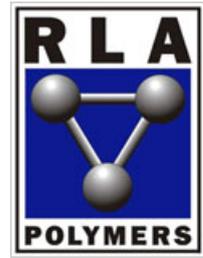
- 1) Apply the first coat of FLEXI-SEAL P.U.D ensuring 100% even coverage. Apply liberally to ensure a good even thickness is applied for the first coat. Lay on with a heavy brush or using a 5 – 6mm short nap roller for larger areas. DO NOT use a foam roller or roll out thinly like a paint.
- 2) Apply second coat in the same manner after first coat has cured, with the second coat applied at 90 degrees to the first coat.
- 3) **In order to achieve appropriate film-build for compliance with For Resilient Flooring requirements you will need to apply at a rate of 0.9 – 1.0 litre per square meter overall in at least 2 good coats to achieve a final film build of 0.9 -1.0mm thickness. [1 x 15L of Flexi-Seal PUD is sufficient for approximately 14 - 15sqm at the correct application thickness at this application rate]**
- 4) Allow FLEXI-SEAL to cure thoroughly after application of final coat. This will vary between summer and winter, however, should be between 6 and 16 hours depending upon on ambient conditions.

## **INSTALLATION OF RESILIENT FLOORING, ONTO FLEXI-SEAL PUD**

**For Resilient Flooring installation please discuss preparation of the finished Flexi-Seal PUD surface with your GEI representative before proceeding.**

# Universal Primer

Rapid Drying Acrylic Primer



- Characteristics:** RLA Universal primer is a rapid drying solvent-free low VOC water-based acrylic primer. It is intended for use over porous and non-porous substrates such as existing tiles, old paint (with the exception of oil-based paints), vinyl adhesive, vinyl tile, carpet adhesive residue, metal surfaces, sealed or burnished concrete floors. RLA Universal Primer is compatible with cement-based ceramic tile adhesives. It can be applied internally or externally over clean and dry surfaces.
- Preparation:** Sub floor must be free of oil, grease, wax, and any loose materials must be removed prior to applying Universal Primer. Concrete floors must be dry in accordance with A.S.3958.1-2007. Where the temperature is less than 5 degrees Celsius or greater than 30 degrees Celsius, contact RLA technical staff for specific advice. Thoroughly mix primer before use.
- Application:**
- Porous Substrates:
- For priming of standard concrete surfaces, dilute using 1 part Universal Primer to 2 parts clean water
  - Apply primers using a roller, brush or broom, ensuring entire area is completely primed.
  - Very absorbent concrete may require a second coat of Universal Primer diluted the same as the first coat.
  - Allow to cure for 30 minutes
- Non-Porous Substrates:
- Apply an even layer of Universal Primer undiluted
  - Allow primer to dry to a clear film (approximately 2 hours @ 25°C)
  - Once Universal Primer is tack free clear film, a topping such as tile adhesive or levelling compound may be applied over.
- Clean up:** Clean all equipment used with water after use.
- Packaging/Shelf life:** 12 months in unopened containers. Store in a dry area above ground, out of direct sunlight, protect from frost. Available in 1lt, 5lt, or 20lt packaging.
- Coverage:** Approximately 8m<sup>2</sup>/L undiluted, 10m<sup>2</sup> diluted 1 part Universal Primer, to 2 parts water.
- Initial Set Times:** 1-2 hours @ 25°C
- Safety and Handling:** Material Safety Data Sheet available upon request
- Restrictions:**
- Do not apply on substrates subject to rising damp.
  - Do not apply at a thickness greater than 1mm.
  - Do not apply on tiles with wax or excessive gloss coating.

The supplied information is based on our experience and is to be regarded as general instruction. We cannot guarantee successful results as we do not have influence on the conditions at the construction site. Testing using a small area is recommended before full installation of the product.

# Flexi-Seal P.U.D

Water-based flexible waterproofing membrane

**Characteristics:**

RLA Flexi-Seal P.U.D is a blue, water-based polyurethane modified flexible waterproofing membrane. It is fast drying and UV stable and can be recoated after 4-6 hours in optimal conditions. It does not require the use of any reinforcement, and is ideal for waterproofing of shower recesses, bathrooms, laundries, balconies and decks. Flexi-Seal P.U.D can be used on internal or external waterproofing applications, over concrete, render, rendered brickwork, block work, fibre-cement, Gyprock, plywood and particle board surfaces.

**Preparation:**

All areas to be waterproofed must be firm, clean and dry, free of grease, oil and paint, and all loose materials, as well as any other contaminants. Building code acceptable solution E3/AS1 says that concrete floors should have a relative humidity of less than 75% at the time of laying waterproof membrane or resilient flooring. Sheet and timber substrates must be installed and fixed in accordance with the manufacturer's specifications, and be moisture compliant as stated in the suppliers' Technical Data.

**Priming:**

Gib Board, cement board, timber, plywood, particle board, concrete and cement-based screeds must be firstly primed with RLA Universal Primer. Waste traps should also be primed with RLA Universal Primer. A light sanding of the waste trap area is advantageous prior to applying primer.

**Application:**

Flexi-Seal P.U.D is a Class III Membrane. Care must be taken to avoid damage of the surface in any immediate wet areas such as shower recesses. Wall-to-wall and wall-to-floor junctions require a bond breaker mechanism applied prior to the application of Flexi-Seal P.U.D. Use a neutral cure silicone for this purpose.

The bond breaker mechanism must be applied in accordance with AS/NZS 3740: 2004 Class III Wet Area Membranes. Please refer to the specification sheet for further information. Should a tape be required on the junctions, use 80mm Butylseal Tape. Apply a 300 x 300mm Butylseal Tape Square over the trap area after it has been primed and turn it down into the trap to help better secure the waste trap area. Once the bond breaker mechanism has been applied, apply the first coat of Flexi-Seal P.U.D to the overall pre-primed substrate areas, ensuring a good even coverage using a rush, roller or airless spray. Allow to dry before applying a second heavier coat at 90 degrees to the first. Ensure complete coverage is achieved and no air bubbles exist. Apply a third coat if imperfections are present in the membrane. Curing of coats is dependent on substrate, temperature, humidity and ventilation. Ensure each coat has cured prior to application of the subsequent coats. In cooler, non-ventilated conditions and high build up areas such as wall and floor junctions, expect a cure in up to 16 hours. Average dry film thickness should be 0.9 – 1.0mm

**Coverage:**

Flexi-Seal P.U.D will cover approximately 1m<sup>2</sup>/L with two good coats.

**Clean up:**

Clean all equipment with water immediately after use.

**Safety and Handling:**

Hazardous according to the criteria of NOHSC, contains cement silica. Wear gloves and mask when handling. Wash hands thoroughly after use. Material safety data sheets are available upon request.

**Packaging:**

Available in 4l and 15l pails.

# Butylseal Tapes

Flexible Butyl Rubber Tape



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<b>Characteristics:</b>	<p>A butyl rubber tape with excellent elongation and a degree of memory. It is clean and easily placed in position. It does not shrink and is non-soluble and waterproof.</p> <p>Permanently flexible. Can be painted and plastered over. For use on timber, plywood, fibre cement sheet, concrete, masonry block, gib board, most metals, steel and plastic roofing, plastic sheet wall linings, glass and fibreglass, ideal for use within waterproofing systems and floor levelling systems.</p>
<b>Preparation:</b>	<p>All surfaces must be free of oil, dust, wax, curing compounds, release agents, loose paint and any protrusions. They should be dry and free from excessive movement. Ensure all concrete surfaces have had sufficient cure time, and that all other surfaces and products are fixed in accordance with the manufacturer's specifications and relevant standards. Metal surfaces must be rust free and well prepared. Prime surfaces with appropriate primer where specified by manufacturer.</p>
<b>Application:</b>	<p>After correct preparation place butyl tape ensuring any joins are overlapped a minimum of 50mm. Apply pressure to tape to ensure it is well bonded to substrate. Apply pressure with a roller to joints to mould laps together and confirm tape adhesion.</p>
<b>Clean up:</b>	<p>Scrape excess off substrate and place in container for correct disposal. Clean with solvent if necessary, using protective eyewear and gloves.</p>
<b>Packaging/Shelf life:</b>	<p>Store in cool, dry conditions on a pallet and on shelves in racking. Store in a dry area, which is at less than 40 degrees Celsius. - White woven (sticky one side) = 15m roll lengths, 80mm or 150mm wide.</p>
<b>Appearance:</b>	<p>Rubber mastic tape</p>
<b>Solids</b>	<p>100%</p>
<b>Physical Attributes:</b>	<p>Deforms under compression and adheres to surfaces.</p>
<b>Colour:</b>	<p>Grey Butyl</p>
<b>Application Temperature Range:</b>	<p>0 to 40 degrees Celsius</p>
<b>Service Temperature Range:</b>	<p>-20 to 80 degrees Celsius</p>
<b>% Elongation at break:</b>	<p>&gt; 400%</p>