

RLA PU95

Polyurethane Primer & Green Slab Sealer



DESCRIPTION:

RLA PU95 is a moisture-curing Polyurethane Primer and Green Slab Sealer/ Vapour Barrier for cement-based substrates that are not subject to rising damp or hydrostatic pressure. It can withstand a relative humidity moisture content of **up to 95% RH**.

It is a one-component polyurethane Primer/ Green Slab Sealer that hardens and cures with the humidity in the air and the substrate. It does not contain solvents, is low odour and is non-flammable.

RLA PU95 is not a Moisture Barrier and is not guaranteed against Hydrostatic Pressure or Rising Damp.

While moisture testing may indicate acceptable moisture ranges for applying RLA PU 95, it may not indicate whether Hydrostatic Pressure is present. If Hydrostatic Pressure is evident or a moisture barrier is required, we recommend using [RLA MOISTURE SEAL](#).

RECOMMENDED USE:

RLA PU95 can be applied onto concrete substrates as a Polyurethane Primer and Green Slab Sealer Vapour Barrier. It rapidly cures to a tack-free film allowing the subsequent application of coverings approximately 2-3 hours after initial application before the application of RLA Levelling compounds, Primers, and adhesives.

SURFACE PREPARATION:

To be by the current Australian Standard "Floor Coverings - 1884-2021 Resilient Sheet & Tiles - Laying & Maintenance Practices"

All surfaces should be dry, smooth, sound, clean and free of wax, grease, oil, previously applied adhesive, and other contaminants. Grinding must mechanically prepare subfloors, shot blasting or sanding to achieve a roughened, absorbent/ porous surface that the Primer/ Barrier can key into satisfactorily.

A test area must be carried out on the surface that has been prepared to ensure suitable floor preparation has occurred and adhesion of the RLA PU95 to the substrate is acceptable.

SURFACE PREPARATION:

CONTINUED:

Relative humidity of the concrete must be measured as per the [AS1884- 2021](#) Australian Standard and [ASTM F2170](#). **In-situ probe testing.**

RLA PU95 must not be used on floors where the relative humidity readings are greater than **95% RH**

The alkalinity of the concrete (pH) must not be higher than 12.

Curing time is related to temperature; this product should not be applied at temperatures below 10°C.

Test all concrete substrates for moisture content according to the current Australian Standards before priming or installing any floor coverings.

Indentations and uneven concrete subfloors should be treated with the [ROBERTS](#) or [RLA TRULEVEL](#) product range of levelling compounds and by the manufacturer's recommendations.

APPLICATION:

The Floor must be absorbent. If the floor is not absorbent, do not proceed with the installation. Apply one thin coat with a short nap roller with a pile height of less than 5mm, a Flat Trowel or Squeegee. Please ensure a thin uniform coat is applied to avoid minor puddles and foaming. Care and consideration should be taken to ensure the material is applied to the entire surface of the concrete substrate. A second coat may be required for highly absorbent floors when the first coat is suitable for foot traffic. The second coat should be applied opposite the first coat (North South- East West). Allow curing for a minimum of 2 hours. Do not allow any traffic on Primer/ Barrier Film for a minimum of 2 hours.

Care and consideration should ensure the coating is not damaged during this time. Primer / Barrier film is not to be penetrated or its integrity compromised at any time.

Subsequent application of coverings should not exceed 48 hours after application.

LEVELLING COMPOUNDS:

If the substrate needs to be rectified or a water-based adhesive is to be applied, a 3mm thickness of an RLA cementitious smoothing and levelling compound must be used over RLA PU 95. Allow approximately 2 hours for the RLA PU 95 Barrier to cure. Within 24 hours, apply one coat in NEAT format (undiluted) of RLA Universal Primer onto the Barrier and allow to dry before applying a suitable levelling compound from the RLA range. For levelling applications over 10 mm in thickness, a second coat of Universal Primer in NEAT format is required. Direct timber flooring installations on substrates treated with RLA PU 95 must be carried out using reactive moisture-cured adhesives such as RLA MS Timber flooring adhesive at least 4 hours after application but no more than 24 hours.

SETTING TIMES:

Ensure RLA PU 95 is dry before applying Universal Primer, Levelling and smoothing compounds and Adhesives. Waiting time between each coat: Approximately 2 hours. Waiting time before the application of Polyurethane adhesive: Minimum 2 hours – Maximum 24 hours • Waiting time before the application of RLA Primers and Levellers: Minimum 2 hours – Maximum 24 hours.

NOTES & PRECAUTIONS:

- Curing times can be extended when applied in cold ambient temperatures.
- Do not allow to come in contact with water during the curing process
- Not recommended for immersed situations such as pools and ponds.
- Internal use only
- Do not dilute with water or solvents
- Apply product in an even amount; ensure no pooling or puddling during application as this will result in foaming.
- Do not apply onto Wet surfaces or in the presence of Rising Damp
- Not recommended for a Moisture Barrier and not guaranteed against Hydrostatic Pressure.

CLEAN UP:

Clean tools immediately after use with white spirits or turps solvent.

SHELF LIFE / STORAGE:

12 months when stored in original unopened packaging
To be stored in a dry area off the ground.

CONTAINER SIZES:

10 kg Container

COVERAGE:

Approximately 200 grams /m per coat

PRODUCT SUPPLIED READY TO USE NO MIXING REQUIRED

SAFETY & HANDLING:

- Wear suitable respiratory protection.
- Use in well-ventilated areas.
- Avoid breathing vapours
- Avoid contact with skin and eyes.
- Wear eye protection and suitable gloves and clothing.
- Do not eat, drink, or smoke while using this product.
- If on the skin, wash with plenty of soap and water.
- If in the eyes: rinse cautiously with water for several minutes.
- Remove contact lenses; if present, continue rinsing.
- If any skin or eye irritation persists or you feel unwell, get medical attention.
- Safety Data Sheet is available upon request.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre.

Skin: Wash off with warm water and soap.

If swallowed, DO NOT induce vomiting. Give a glass of water.

For advice or you feel unwell contact a Poisons Information Centre: Australia ph 131126,

New Zealand ph 0800 764 766 or a doctor at once.

If swallowed, do NOT induce vomiting.

IF SWALLOWED, immediately call the Poisons Information Centre or a doctor.

IF ON SKIN Remove immediately all contaminated clothing and wash skin with soap and water.

If skin irritation occurs, get medical advice/attention.

IF IN EYES Rinse carefully with water for several minutes.

If eye irritation persists, get medical advice/attention.

WARRANTY STATEMENT:

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out per the relevant Australian Standard, the Floorcovering Manufacturer's instructions, and the floorcoverings must have been subject to normal traffic conditions.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

PHONE: 1800 242 931

EMAIL: info@rlapolymers.com.au

MAIL: 215 Colchester Road Kilsyth Victoria 3137 (Attention Customer Service)

WEBSITE: www.rlapolymers.com.au

AUSTRALIAN CONSUMER LAW:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

DISCLAIMER:

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 the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.