

RLA PU 95

RLA PU 95 is 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 up to 95% RH (ASTM F2170 as per AS1884– 2012) It is a one component polyurethane Primer/ Green Slab Sealer that hardens and cures with the humidity present in the air and the substrate. It does not contain solvents, is low odour and non-flammable.

RLA PU 95 is not a Moisture Barrier and not guaranteed against Hydrostatic Pressure or Rising Damp.

While moisture testing may indicate acceptable moisture ranges for application of 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 the use of RL20 Commercial MB Moisture Barrier.

FEATURES & BENEFITS

- One component • Solvent Free • Moisture curing
- Excellent adhesion to most substrates including freshly laid green concrete.

RECOMMENDED USE

RLA PU 95 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 prior the application of RLA Levelling compounds, Primers, and adhesives.

SURFACE PREPARATION:

To be in accordance with the relevant Australian Standards "Textile Floor Coverings Installation Practice", Timber Flooring Installation Practices and Floor Coverings – Resilient Sheet & Tiles – Laying & Maintenance Practices".

All surfaces to be sealed to should be dry, smooth, absorbent, sound and clean.

Subfloors must also be free of wax, grease, paint, previously used adhesive, polish, and any other impurities that may affect adhesion. Any previous coatings or curing compounds must be removed as substrate must be porous. All concrete subfloors must be tested for moisture content. Relative humidity readings should be determined as per ASTM F2170.

RLA PU 95 must not be used on floors where the relative humidity readings are greater than 95% RH (In– Situ)

Subfloors must be tested for pH, with results not to exceed 12 If Moisture and pH levels exceed this, we recommend the use of RL20 Commercial MB Moisture Barrier. NOTE – Subfloors must be mechanically prepared by way of either grinding, shot blasting or sanding to achieve a roughened, absorbent/ porous surface that the Primer/ Barrier can key into satisfactorily.

Any previous coatings or curing compounds must be removed as substrate must be porous. It is recommended 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 PU 95 to the substrate is acceptable. The minimum subfloor temperature before commencing surface preparation and application is 10°C.

MIXING RATIO:

Product is supplied in ready-to-use pails.

APPLICATION:

Floor must be absorbent. If the floor is not absorbent do not proceed with the installation. Apply one even thin coat with a short nap roller with a pile height of no less than 5mm, Flat Trowel or Squeegee. Please ensure a thin uniform coat is applied to avoid minor puddles and minor foaming.

CONSUMPTION Rate: *Approximately 200 grams /m² per coat*

Care and consideration should be taken to ensure the material is applied to the entire surface of the concrete substrate.

For highly absorbent floors a second coat may be required, when the first coat is suitable for foot traffic.

The second coat should be applied in the opposite direction to the first coat (North South– East West) Allow to cure for a minimum of 2 hours. Do not allow any traffic on Primer/ Barrier Film for minimum 2 hours. Care and consideration should be taken to ensure 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 to is to be applied, a 3mm thickness of a RLA cementitious smoothing and levelling compound must be applied 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 too 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 a reactive moisture cured adhesives such as AFTEK MS Timber flooring adhesive at least 4 hours after application but no more than 24 hours.

CURING TIMES:

Ensure RLA PU 95 is dry before the application of 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

PACKAGING 10kg containers.

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.

NOTES AND 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.
- Don not apply onto Wet surfaces or in the presence of Rising Damp
- Not recommended for a Moisture Barrier and not guaranteed against Hydrostatic Pressure.

SAFETY & HANDLING

Wear suitable respiratory protection.

Use in well ventilated areas. Avoid contact with skin and eyes.

Wear eye protection and suitable gloves and clothing.

Do not eat, drink or smoke while using this product.

Take off contaminated clothing and wash before reuse.

If on skin wash with plenty of soap and water.

If in eyes: rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If Inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing.

If any skin or eye irritation persists or you feel unwell get medical attention.

Safety Data Sheet is available upon request.

