ROBERTS

ROBERTS R555

2 Part, Flexible Polyurethane Adhesive System



DESCRIPTION:

ROBERTS R555 is a two-part polyurethane, resilient flooring adhesive. Maintaining permanently flexible and water resistant properties, R555 forms a strong bond and enhanced durability for commercial applications in wet and dry areas, interior and external applications.

FEATURES AND BENEFITS:

- Permanently flexible
- Excellent water resistant properties
- High bond, peel and shear strength
- Highly durable
- Suitable for wet and dry areas
- Internal and external applications

RECOMMENDED USE:

- Commercial sheet vinyl
- Vinyl plank
- Rubber floorcoverings
- Wet areas
- Internal and external areas

SUBSTRATES:

- Concrete
- Masonry
- Brick
- Fibre cement sheeting
- Hardboard underlay
- Aluminium and steel

SURFACE PREPARATION:

- As detailed in the current Australian Standard “Floor Coverings 1884-2021 Resilient Sheet & Tiles - Laying & Maintenance Practices” or Australian Standard 2455.2.2019 “Textile Floor Coverings - Installation Practice”
- Bond surfaces shall be absorbent, dry, smooth, sound, and clean. Subfloors must also be free of wax, grease, paint, previously used adhesive, polish, PVC-based membranes, curing compounds, hydrostatic pressure and any other impurities that may affect adhesion
- The minimum subfloor temperature before commencing surface preparation and adhesive application is 10°C.
- If mechanical preparation is required, prepare the floor using recommended techniques such as shot blasting and diamond grinding to provide a roughened, clean and sound surface
- Thoroughly vacuum loose material and dust
- Roberts R555 can be applied to concrete substrates with moisture contents up to 85% relative humidity, and pH readings up to 10.0. tested with the In-Situ Probe method
- Test all concrete substrate flooring for moisture content in accordance with Australian Standards prior to the installation of any floorcoverings
- Uneven concrete subfloors should be treated with the ROBERTS range of levelling compounds as per manufacturer’s recommendations
- Where temperatures are less than 5°C or higher than 35°C, please contact RLA Technical department for further details

MIXING:

- R555 has been developed for the floor layer's ease of handling and mixing with pre weighted packs
- Empty contents of Part B into the Part A container and mix thoroughly using a mixing paddle attached to a slow-speed electric drill.
- Continue to mix until thoroughly ensuring sides and base of the container are thoroughly mixed in and a uniform colour is achieved. The colour difference between Parts A and B helps to indicate a thorough mix
  Note: For best results it is recommended to mix a complete kit

APPLICATION:

- For the application of smooth back flooring including Sheet Vinyls, Vinyl Planks and Tiles it is recommended to apply the adhesive with a 1.6mm x 1.6mm 'V1" notched trowel
- Vinyl Planks with a textured or embossed backing it is recommended to apply adhesive with a 2.4mm x 2.4mm x 2.4mm 'V2" notched trowel
- Empty and spread mixed adhesive onto the substrate and spread using the recommended notched trowel
- Lay the floorcovering into the wet adhesive film
- Roll lightly and check that the adhesive transfer to the back of the flooring has occurred
- Complete installation according to vinyl manufacturer's instructions, ensuring the installation is rolled in both directions with the recommended roller weight prior to the adhesive setting
- Do not allow traffic for 24 hours

IMPORTANT:
This adhesive does not possess wet or dry tack properties, relying upon the mass of the adhesive film to hold down the material. Should the material not tend to lay flat, e.g., corners of vinyl peaking, then assistance should be given in holding down with a weight until a partial cure has been reached
Note: Curing time is very much related to temperature, but generally the initial bond sets up within approximately 4-5 hours. Final cure is reached after seven days.
Over these seven days, the bond gradually increases in strength

SPREAD RATE:	
1.6mm V1	3-4m^2/ kg
2.4mm V2	2-2.5m^2/ kg

Note: Spread rates may vary depending on the condition and substrate absorbency

SETTING TIMES	
Pot Life	**20-30 minutes**
Open Time	**1 hour approx..**
Initial Set	**4-5 hours**
Full Cure	**7 days**
Set to Traffic	**24 hours**

CLEAN UP:

To clean up equipment and adhesive spills whilst wet, use a suitable cleaning solvent (flammable) with care. Once cured, this adhesive can only be removed mechanically

PACKAGING:

5kg & 10kg kits

SHELF LIFE / STORAGE:

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

NOTES & PRECAUTIONS:

- Drying times can be extended when applied in cold ambient temperatures
- Don't apply adhesive in direct sunlight
- Do not apply to substrates with rising dampness

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 in accordance with relevant Australian Standards.
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.

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