**RLA POLYMERS PTY LTD**ABN 89 004 709 915
ACN 004 709 915215 Colchester Road, Kilsyth, Victoria 3137 Australia
P.O. Box 147, Kilsyth, Victoria 3137 Australia
Telephone: (03) 9728 1644 • Facsimile: (03) 9728 6009
E-mail: info@rlapolymers.com.au

TB087 RLA UNIBOND AND RLA FLEX 1 PART TILE ADHESIVE APPLICATION TO WET SEAL ENVIRO COAT IS 511 WATERPROOFING MEMBRANE

Date: 20/9/2013**Customer****Wet seal****PO Box 481****Coffs Harbour NSW 2450**

RLA Specification: Unibond / RLA Flex 1 Part Adhesive Recommendation

RLA recommends that the Enviro Coat IS 511 – Membrane should be installed according to the manufacturers specifications. Allow Enviro coat IS 511 to cure. Unibond or RLA Flex 1 Part adhesive can be applied successfully on top of the Enviro Coat IS 511 waterproofing membrane for fixing tiles if the following is abided by.

Ensure that the correct application and required thickness of the Enviro Coat IS 511 membrane is applied to the substrate and allowed to cure for at least 24 hours, tiling must commence within 7 days. If this is not practical then before any tiling can commence Enviro coat IS 511 must be cleaned and dried to an acceptable standard to allow the tile adhesive to adhere sufficiently to the membrane.

Tiling commencing after the specified time has lapsed RLA Polymers will not be responsible for any failures that may occur.

After fixing the tiles to the substrate do not commence grouting until a minimum of 48 hours @ 20 Degrees has passed allowing for the Unibond or Flex 1 Part to cure.

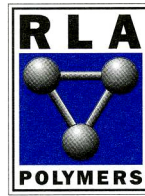
1. Adhesive Application

Once the surface has been prepared in accordance with Wet Seal and RLA Polymers recommendations, then apply the adhesive onto the Enviro Coat IS511 membrane.

RLA only recommends the use of RLA Unibond and RLA Flex 1 Part as the adhesive system for this particular application. The mixing ratio is 20kg of Unibond or Flex 1 Part with 6L of clean water.

Apply the adhesive on the substrate using a 10 x 10 or 12 x 12 mm notched trowel. Ensure the tiles are laid into the adhesive before it skins over. If the adhesive skins over remove the adhesive from the surface and re-apply fresh adhesive.





RLA POLYMERS PTY LTD

ABN 89 004 709 915
ACN 004 709 915

215 Colchester Road, Kilsyth, Victoria 3137 Australia
P.O. Box 147, Kilsyth, Victoria 3137 Australia
Telephone: (03) 9728 1644 • Facsimile: (03) 9728 6009
E-mail: info@rlapolymers.com.au

When placing tiles into the adhesive press them in by using a twisting or sliding action. Ensure no voids occur and full coverage of adhesive is under the tiles. For tiles with lugs, grooves or uneven backing it may be required to butter the back of the tile with adhesive in addition to trowelling the adhesive onto the substrate. The final bed thickness of the adhesive should be 2mm for wall and 3mm for floor tiling. Once the tiling is completed do not disturb the tile surface for at least 24 hours @ 20°C.

Unibond is a premium grade rubber modified white cement based adhesive. It is designed to bond all types of ceramic, stone and mosaic tiles, with the exception of green marble onto rigid and flexible substrates internally and externally.

The coverage of Unibond using a 10x 10 mm notched trowel is approximately 8-10m² per 20kg bag. Unibond is available in 20kg bags. Unibond has been tested in accordance with AS/ISO 13007.1-2013 and passes its requirements.

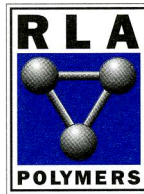
RLA FLEX 1 PART is a premium grade highly flexible polymer modified cement based adhesive. It is designed to be used on most rigid and flexible substrates internally and externally. The coverage of RLA Flex 1 part using a 10x 10 mm notched trowel is approximately 7m² per 20 kg bag. RLA Flex 1 part is available in 20kg bags. RLA Flex 1 Part has been tested in accordance with AS/ ISO 13007.1 2013 and passes its requirements as a C2S2 type adhesive.

2. Expansion Joints

Expansion / movement joints must be provided to allow for movement as follows:

- Over existing joints in the substrate.
- Where 2 different substrates meet E.g. Timber and concrete.
- Around fixed elements in the floor e.g. Columns.
- At internal vertical corners.
- Around the perimeter of the floor.
- In internal floors where any dimension exceeds 9m or 6m if subjected to sunlight.
- In External Floors where any dimension exceeds 4.5m.
- Movement joints should go right through the tile adhesive bed to the background and kept free from dirt and adhesive droppings. Movement joints must not be less than 6mm nor greater than 10mm. All expansion joints must be filled with a flexible sealant. (These points are in accordance with AS/ISO 13007.1-2013)





RLA POLYMERS PTY LTD

ABN 89 004 709 915
ACN 004 709 915

215 Colchester Road, Kilsyth, Victoria 3137 Australia
P.O. Box 147, Kilsyth, Victoria 3137 Australia
Telephone: (03) 9728 1644 • Facsimile: (03) 9728 6009
E-mail: info@rlapolymers.com.au

3. Grouting

Grouting application can commence 48 hours after the completion of tiling.

Grouting can be done using RLA Hydragrout Grout. The mixing ratio is 10kg of RLA Hydragrout Grout with 3.2L of Water. Apply the grout onto the surface using a rubber float or squeegee. Work the grout in a diagonal motion to avoid dislodging the grout from the joints.

Once the grout starts setting an initial clean up can be commenced. Clean up can be done using a damp sponge. Ensure you use a clean sponge every time. RLA Hydragrout grout will be fully dry in 24 hours after which time the area can be put into service.

RLA Hydragrout is a mould resistant cementitious grout that can be used in joints from 1-8mm. For wider joints use RLA Sanded Grout. RLA Hydragrout is available in 10 popular colours. RLA Hydragrout is available in 10kg and 2.5kg pack sizes.

4. Clean Up / Shelf Life

All excess adhesive and grouts can be cleaned up using water while they are still wet. All RLA products mentioned in this specification have a 12 month shelf life as long as they are stored in a cool, dry, environment.

5. Guarantee

All RLA Products are guaranteed for a period of 10 years as long as RLA specifications / instructions are strictly adhered to.

Regards,

Ahmed Abdul-wahab
RLA Polymers
Business Development Manager
CTA

