

TECHNICAL DATA SHEET

RAYCOAT RAYFLEX BOND is a specially formulated acrylic emulsion specifically designed to be mixed with Portland cement. This unique blend offers outstanding adhesion, water resistance, and flexibility, even in thin applications. By preventing water seepage, it is perfect for positive-side waterproofing on roof decks and firewalls.

PRODUCT FEATURES

- Excellent bond to the concrete substrate.
- Flexible and watertight.
- Long-term durability
- Easy to use.



PRODUCT DATA

Coverage	: 5–6 m ² /L per coat	Coverage figures are theoretical and due to wastage factors and the nature of possible substrates, practical coverage will be reduced.
Color	: Milky White	
Packaging	: 4L pail, 16L pail	
Storage	: Store in a cool, dry place, away from direct sunlight.	
Mixing Ratio	: 1 part Rayflex Bond : 1-2 parts Portland Cement.	
Shelf Life	: 12 months from Manufacturing date.	

PRODUCT PREPARATION

Combine 1 part Rayflex Bond with 1 to 2 parts cement. You can mix manually with a stirrer or use a power mixer. Continue mixing until you achieve a uniform, homogeneous blend.

PRODUCT APPLICATION

To apply Rayflex Bond, use a clean roller or paint brush and apply a thick coat. Let it dry for a few hours before adding another coat. If you're painting a vertical surface, you'll need two or four coats. For horizontal surfaces, you'll need three to six coats. Apply Rayflex Bond to the positive side of concrete floors and walls. For best results, add a top coat.

SURFACE PREPARATION

Concrete surface to be treated must be clean, dry (up to 1% moisture content) and free of laitance, dirt, paint coating and other foreign materials. Structural defects such as cracks, faulty construction joints and honeycombing should be routed out to sound concrete and repaired using epoxy injection (see separate data sheet). It is recommended that Rayflex Bond or sealant be formed at all corners to receive the waterproofing membrane. Areas with water ponding should be repaired or ground to let water run down to the drainage.

HEALTH & SAFETY

Rayflex Bond is non-toxic but it is alkaline. Refer to Material Safety Data Sheet for more information on Health and Safety.

RECOMMENDED APPLICATION

- Positive side waterproofing for old and new structures.
- Water treatment and sewage structures.
- Swimming pools and fountains.
- Domes and concrete structures.

