



## Datasheet:

### 2. Radmyx™ Readymade - Used for Surface Applied

**PRODUCT NAME:** Radmyx™ Readymade Capillary Waterproofing System

**MANUFACTURER**

Radcrete Developments Pty Ltd  
PO Box 367, Double Bay NSW 1360  
SYDNEY AUSTRALIA  
ACN: 069 156 234

#### Radmyx™ used for Surface Applied



For surface applications, Radmyx Concentrate should be mixed into a “Readymade” form in the following ratios:

	Percentage	Mass
Radmyx Concentrate	13%	5 kgs
Hydrate Lime	10%	3.85 kgs
Glass Grade 0-600 um Silica sand	39%	15kgs
GP (General Purpose) Cement	38%	14.61 kgs
Total	100%	38.46

#### APPLICATION TO WALL

1. Mix Radmyx Concentrate into Radmyx Readymade as described on this data sheet. Mix THOROUGHLY.
2. Mix Radmyx Readymade into slurry at the rate of 1 water : 2.25 – 2.5 powder by volume

#### Application Rates

1. Apply Radmyx Readymade at the rate of 1 kg per square metre (m2) per coat.
2. Two (2) coats are required.

#### APPLICATION TO FRESHLY POURED FLOOR SLAB

1. Mix Radmyx Concentrate into Radmyx Readymade as described on this data sheet.
2. Apply as a sprinkle coating onto freshly placed concrete.

#### Application Rates

1. Sprinkle onto freshly placed concrete slab at the rate of 0.8 kg per square metre (m2)

For application instructions see Radmyx datasheet entitled “Application Instructions”.



# WATERPROOFING CONCRETE FOR LIFE



## Datasheet:

### 3. Radmyx™ SURFACE APPLIED – Application Instructions

#### PRODUCT NAME

*Radmyx™ Capillary Waterproofing System*

#### MANUFACTURER

Radcrete Developments Pty Ltd  
PO Box 367  
Double Bay NSW 1360  
SYDNEY AUSTRALIA  
ACN: 069 156 234

#### APPLICATION TO CONCRETE WALL

1. Mix Radmyx Concentrate into Radmyx Readymade as described on the data sheet Ready Made – “Used for Surface Applied”.
2. Mix Radmyx Readymade into slurry at the rate of 1 water : 2.25 – 2.5 powder by volume.
3. Add water to **Radmyx™** NOT **Radmyx™** to water.
4. Only mix sufficient **Radmyx™** that can be used in 20 minutes.
5. Apply at the rate of 1 kg per square metre (m<sup>2</sup>) per coat
6. Two (2) coats are required

#### Application Technique

- Surfaces must be free from dust, oil, grease, paint, residual curing compounds, form release oil or any previous surface treatment that will impair adhesion of Radmyx Readymade
- Remove any laitance and provide a slightly rough, open pored surface sufficient to act as a mechanical key. This is essential for adequate adhesion the Radmyx Readymade.
- Only mix sufficient **Radmyx™** that can be used in 20 minutes
- Dampen surface prior to application.
- Applied by brush or spray onto the dampened substrate.
- Apply 2 coats at right angles, the 2<sup>nd</sup> coat whilst the first is firm, but 'green' - usually 3-4 hours after first coat (dependant on temperature).
- If 2<sup>nd</sup> coat is done the following day – dampen with water before applying the second coat.
- After application, protect **Radmyx™** from sun & ponding water for 4 days.
- **Radmyx™** should be sprayed with a fine mist of water 3-4 times a day for 4 days to assist curing & penetration.
- Clean tools and equipment immediately after use. Use of plastic or rubber containers is recommended.

#### APPLICATION ON TO FLOOR SLAB

1. Mix Radmyx Concentrate into Radmyx Readymade as described on the data sheet Ready Made – Used for Surface Applied”.
2. Apply as a sprinkle coating onto freshly placed concrete at the rate of 0.8 kg per square metre.
3. Trowel into fresh concrete.
4. If extra protection is required under the slab an additional sprinkle coating can be sprinkled throughout the reinforcement just before casting the slab. Even if this is done, the product **MUST** be sprinkled on top of the slab.

#### Cold Joints (New)

The joint should be formed by a vertical stop board during construction. Use a Bentonite Waterstops such as Volclay RX and **Radmyx™ Slurry** as a dry shake on the joint face prior to pouring the subsequent concrete.

#### Cold Joints (Existing)

Where the joint leaks repair similar to crack or void/ honeycomb.

#### Penetrations (New)

Use Bentonite Waterstops as a wrap around the penetration during construction.

#### Movement Joints - Responsibility of others.

##### Cracks

Identify static cracks over 0.4 mm that must be chased out and repaired.

1. Chase out to a depth of 30 - 40mm
2. Dampen with water
3. Prime with **Radmyx™ Slurry**
4. Laminate in 30mm layers with **Radmyx™ Mortar** until the crack is filled

##### Voids & Honeycombing

1. Hack out until solid concrete is found
2. Dampen with water
3. Prime the area with **Radmyx™ Slurry**
4. Laminate **Radmyx™ Mortar** in 30mm layers until the void is filled

##### Plugging Leaks

Leaks and holes drilled to relieve water pressure are sealed permanently using a plugging compound of **Radmyx™ Slurry** mixed with **Radcon Formula # 7**.

To plug leaks under pressure:

1. Chase out the area of the leak until water flow is free and insert a length of plastic hose.
2. Seal the plastic hose with plugging compound as above.
3. Clean the cavity and apply a coat of **Radmyx™ Slurry** and when tacky, fill the cavity with a **Radmyx™ Mortar** and allow to cure.
4. When surrounding waterproofing is complete, withdraw the hose and plug the hole with plugging compound using a gloved thumb to hold it in place until set (approximately 1 minute).
5. Fill the remainder of the hole with **Radmyx™ Mortar** When the mortar has set, complete the waterproofing, lapping slurry coats onto the concrete surrounding the hole.

Holes under low pressure can be similarly sealed, but pipe insertion and removal is omitted.

##### **Radmyx™ Mortar**

**Mixing:** Mix sufficient water to achieve a mortar consistency

**Rate:** Use as required.

**Technique:**

1. Dampen Surface prior to application.
2. Laminate in layers no more than 30mm thick.