



WATERPROOFING  
CONCRETE FOR LIFE



## Datasheet:

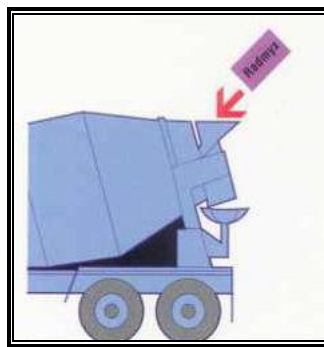
### 1. Radmyx™ CONCENTRATE - Used as an Admixture

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

**MANUFACTURER**

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

**Radmyx™ Concentrate is a  
powder added to the concrete truck.**



#### Addition to concrete

- 0.78 kgs per cubic meter of concrete mix
- It is preferable for Radmyx™ Concentrate to be evenly distributed through the dry mix at the batching plant or prior to adding water to the concrete truck.
- If added to the concrete truck after water has been added, ensure that the truck continues to mix the concrete for 10 minutes prior to placement of concrete.

#### Application

- Radmyx concentrate can have a plasticising effect and may cause an extension of set times. The amount of extended set will be affected by mix design, climatic conditions etc. Consideration should be given to the reduction or removal of admixtures that retard such as plasticisers, water reducing admixtures etc. If in doubt, trial mixes should be carried out to determine accurate set times.  
The Radmyx data sheet entitled “Application Instructions” should be read in conjunction with the above for important information regarding joint sealing, crack repair etc.

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# WATERPROOFING CONCRETE FOR LIFE



## Datasheet: General Information

- |                       |  |
|-----------------------|--|
| 1. Radmyx Concentrate | – Used as an admixture                 |
| 2. Radmyx Ready Made  | – Used for Surface Applied Slurry Coat |
| 3. Radmyx             | – Application Instructions             |

### PRODUCT NAME

*Radmyx™ Concentrate Capillary Waterproofing System*

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### DESCRIPTION

*Radmyx™ Capillary Waterproofing System* is a complete system to waterproof below grade applications such as basements and water holding structures.

Through the process of osmosis the active chemicals in *Radmyx™* react with the hydration products of cement to create a continuous barrier of insoluble crystals deep within the capillary structure of the concrete. These crystals block the passage of water whilst permitting the transmission of air and water vapour, enabling the structure to breathe.

*Radmyx™* is equally effective against positive or negative water pressure.

Full waterproofing is normally achieved 5 – 7 days after application. After the crystallisation process has successfully waterproofed the structure the active chemicals in *Radmyx™* remain dormant in the concrete. Any later contact with water will reactivate the sealing process.

### HOW TO APPLY

*Radmyx™* can be applied as either an admixture in the concrete truck or as a surface applied slurry coat – see separate data sheets for information.

### APPLICATIONS

- In-situ Concrete Basements
- Post tensioned suspended decks
- Core-filled Blockwork
- Canals and Tunnels
- Lift Pits
- Reservoirs
- Dams

### KEY BENEFITS

**Long-term performance** - No re-application or future maintenance require

**Fast Backfilling** - Backfilling operations can be undertaken immediately after forms are stripped

**No Protection Required** - Protection boards and drainage cells can be eliminated because there is no risk of damage during construction or thereafter.

**Fault Finding** - If shrinkage cracks develop - easy to find and repair using *Radmyx™ Slurry & Mortar*. No lifting of membranes required.

**Efficient** - Compresses construction timetable since waterproofing can be either done from positive or negative side

### MAINTENANCE

None required.

### GUARANTEES

50 year guarantees for *Radmyx™* treated areas are available where approved applicators are used and in appropriate situations. Contact the manufacturer for further information and confirmation of suitability.

### LIMITATIONS

*Radmyx™* is not guaranteed to seal cracks in excess of 0.4 mm. Radmyx is not suitable for use on above ground areas that are exposed to thermal stress except where the slabs are post-tensioned. Use *Radcon Formula #7* for such applications

*Radmyx™* is not suitable for waterproofing dynamic cracks or movement joints. Use elastomeric joint sealant for these applications.

### PACKAGING

5 kgs Pails  
180kgs metal drums

### SHELF LIFE & STORAGE

*Radmyx™* Concentrate maintains an unlimited shelf life in sealed containers.

### SPECIFICATION

See our website for specification download.

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