

# Intercrete 4842

## Advanced elastomeric cementitious coating

Intercrete™ 4842 is a polymer modified cementitious coating used for waterproofing and protection of concrete which exhibits cracking or where movement is anticipated. The product can be reinforced with Intercrete™ 4872 to withstand dynamic cracks and expansion joints.

It is Portland cement based for ultimate compatibility with concrete and other masonry substrates.

- Long lasting flexible elastomeric protective coating
- Excellent waterproofing capabilities – resists up to 10 bar (145 psi) positive and negative pressure
- Permanently elastomeric – even in immersed conditions
- Can be used on damp or green concrete thus ensuring rapid return to service
- High resistance to freeze thaw cycles (-6°C [-21°F] to 90°C [194°F])
- Provides protection against carbonation and chloride attack
- Passivates corrosion by resisting diffusion of oxygen
- Used to bridge fine cracks typical in concrete substrates
- 2mm (1/16") coating provides cover equivalent of 135mm (5 5/16") of good quality concrete
- Is a WRAS Approved Material and certified to AS/NZS 4020:2005 standards for contact with potable drinking water



# A flexible protective solution

A UV stable, water based, Zero VOC advanced cementitious coating, ideal for use in confined spaces, can be applied in a wide variety of end uses where movement in the concrete is anticipated.

Intercrete 4842's thixotropic nature ensures application is fast and easy by brush or spray techniques ensuring performance without complexity.

## Key application areas:

- Water reservoirs
- Water irrigation channels
- Tank lining
- Secondary containment
- Bridge deck waterproofing
- Crack isolation membrane
- Root resistance



Technical data					Test data	Test method	Results
Colour:	Grey Matt				Compressive strength	BS4551 @ 20°C (68°F)	10 MPa
Volume solids:	100%				Flexural strength	BS4551 @ 20°C (68°F)	3.5 - 4 MPa
Density:	1600 kg/m <sup>3</sup>				Elongation	2mm film cured for 28 days	
Typical dry film thickness:	1000 - 2000 µm				Ambient		120% - 130%
VOC's:	0 g/L				Immersed		70% - 80%
Drying time:					Water permeability coefficient	DIN 1048 Part 1	5.37 x 10 <sup>-16</sup> m/s
Temperature	Touch dry	Hard dry	Min	Max	Cracking bridging	EN1062-7	Class A5>2500 µm
20°C (68°F)	5hrs	24hrs	4hrs	7days	Oxygen diffusion coefficient	BS EN 1062-6	1.706 x 10 <sup>-5</sup> cm <sup>2</sup> /s

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