



Wet - seal®

“Your Waterproofing Specialists”

Australia Technical Data Booklet

Supplying you with fully compliant quality guaranteed
waterproofing systems for all wet areas
Installed locally for you by fully trained
professional applicators



Internal Wet Areas

Description

Wet-seal Fibre Coat is a two coat waterproofing membrane system reinforced with polyester resin & over-coated with two part epoxy and is coloured in the Wet-seal Corporate Jade Green. When cured it is a seamless membrane and will not bleed through porous materials. It is specifically designed for **INTERNAL USE** on Concrete Slab, Cement Render, Concrete and Masonry Walls, Compressed Fibre-cement Flooring, Fibre-cement Flooring Overlay, Fibre-cement Wall Lining, Water Resistant Plasterboard, Wall Lining Plywood Flooring and Particleboard Flooring, preceding Tiles.

Application

Wet-seal Fibre Coat is for internal waterproofing areas such as Showers, Bathrooms, Ensuites, Powder Rooms and Laundries. This highly specified system is supply and fix and is only installed by Wet-seal Australia's nationwide network of fully trained Franchisees; in accordance with the Wet-seal Installation Manual.

Surface preparation

Fall should be incorporated in the original concrete slab pour where possible. Allow concrete to cure for 28 days and cement render to cure for 7 days prior to application of the Wet-seal Fibre Coat. The plumbing and wall sheets must be installed prior to the application of the Wet-seal Fibre Coat. Drainage flanges are recommended to be installed on suspended floors prior to application of the membrane. Surfaces must be clean, completely dry and without any trace of residue or permanent dampness. All grease, oil, wax, curing compounds, dust, droppings, loose material, paint and any other contaminants must be removed. Fibrous cement sheeting, plasterboard, particleboard and all suitable flooring substrates must be fixed in accordance to manufacturers' specifications. Hobs (if applicable) must be constructed from masonry, concrete or similar material.

Curing time

Minimum of 24 hours at 23°C/55% RH but in cooler conditions 48 hours.

Tiling direct or tiling mortar bed covering

This may be carried out after the Wet-seal Fibre Coat has been allowed to dry.

Please Note: If a hob is used in the shower ensure that hob tiles are grouted with a flexible grout.

Tile adhesive

WIPE OVER the Wet-seal Membrane thoroughly with clean water **PRIOR** to application of recommended adhesives that meet the requirements of AS4992.

Limitations

Wet-seal Fibre Coat membrane is not designed to be used as a decorative finish.

Guarantee

Wet-seal Fibre Coat carries a material and workmanship guarantee.

The system when fully cured has

- ✓ Uniformity of thickness
- ✓ Tenacious bond strength
- ✓ Excellent chemical resistance, and;
- ✓ Is free of pitch and does not bleed through porous materials

Physical description and properties

Mass per unit area:	1066 ± 22gm ⁻²	AS 2324	Appendix D
Water absorption:	(%) - 0.40 ± 0.05	AS A121	Appendix K
Mean tensile strength:	45.5 MPA	Std. Dev. 4.9	AS 1145
Loss of volatiles (% volume):	(%) - 0.55 ± 0.01	AS A121	Appendix J
Alkali resistance:	No evidence of degradation	ASTM.D543	1978

Performance properties

Colour:	Wet-seal Jade	Appearance:	Smooth
Cure:	24 hours @ 23°C/55% RH	Specific gravity:	0.95 - 1.15 approximately
Flammability:	Flammable	Application of trafficable products:	48 hours

Precaution

- X This is not a vapour barrier
- X Must not be applied to any contaminated surface
- X This membrane is not designed to stop hydrostatic headwater pressure
- X Must not be applied to a surface with a temperature of less than + 7°C

Health and Safety

The Franchised applicator must comply with the Wet-seal Health & Safety Manual.



Internal Wet Area Details for Wet-seal Waterproofing System

The Wet-seal Fibre Coat system is used for all internal wet areas.

It has completed the CSIRO requirements, Test Report No. 3392 (Feb 06) and this system has been revalidated in Oct 10, Test Report No. 5457, to meet the requirements of AS/NZ 4858 Wet Area Membranes which is mandatory for all wet area internal membrane systems used in Australia. It also carries a Branz Appraisal 372 (2000).

The Wet-seal Fibre Coat membrane will meet the requirements of the AS3740-2010 "Appropriate Bond Breakers" (Table 3.2) using any of the three types of bond breaker design for membranes. The system also complies with the Building Code of Australia as amended.

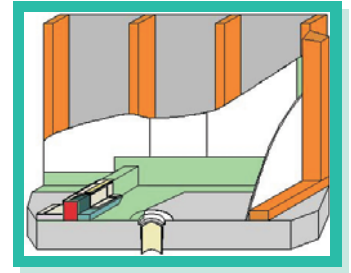
All areas should be prepared in accordance with the Building Code of Australia and AS3740-2010 - Paragraph 3.13 General Shower Requirements.

Wet-seal recommends that falls in showers be incorporated in the initial pour for slab construction. The Standard requires that the finished surface in showers has sufficient fall to prevent water ponding in the shower area as mentioned in Section 3 Design, Paragraph 3.4 Shower Floors.

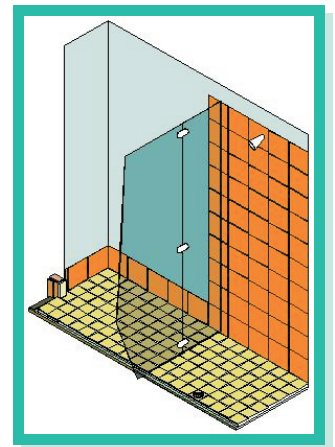
Wet-seal also recommends that unenclosed showers (which include curtained and frameless glass screens) should not be placed next to bathroom doorways. When showers of this type are installed, the floor should be sealed in accordance with AS3740-2010 Section 3.13.5 Point A & B "Unenclosed Showers including Showers with Frameless Glass Screens".

When underfloor heating systems are laid on the surface of the substrate consideration should be given when installing the water stop angles to allow for the extra depth of mortar bed required.

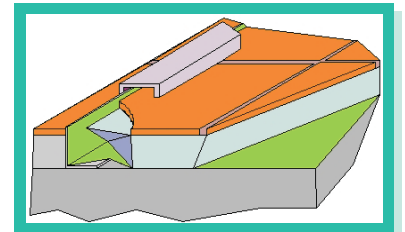
Other areas able to be sealed with the Wet-seal Fibre Coat system include planter boxes constructed of brick or masonry and water features such as fish ponds or fountains.



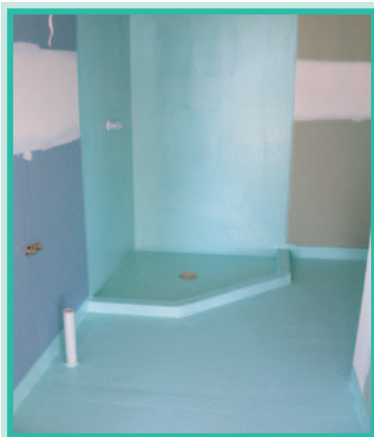
Shower with Hob



Unenclosed Shower



Angle placement for Walk-in Shower



External Wet Areas

Description

Wet-seal Enviro-coat DSMR 408 is a one component, elastic water based moisture curing SBR cross polyurethane waterproof membrane reinforced with fabric to make a high quality robust flexible system and is terracotta in colour.

Application

Wet-seal Enviro-coat DSMR 408 can be applied as a durable flexible waterproofing membrane for external use such as decks and balconies. Wet-seal Enviro-coat DSMR 408 must be over coated with a UV stable coating i.e. Tiles, UV paint or Slatted deck and UV stable paint. This highly specified system is supply and fix and is only installed by Wet-seal's nationwide network of fully trained Franchisees; in accordance with the Wet-seal Installation Manual.

Advantages

- ✓ Excellent mechanical resistance
- ✓ Versatile - can be used for a flexible coating and as a waterproof membrane
- ✓ Good crack bridging ability
- ✓ Fabric reinforced membrane (durable)
- ✓ Excellent thermal resistance
- ✓ Can be tiled over
- ✓ Low VOC (VOC Certificate No. F0812-15) (VOC = Volatile Organic Compounds)

Surface preparation

Suitable substrate materials are concrete, sand/cement screed, fibrous cement sheet, 17mm (min) CD plywood and scyon (external). All areas should be clean and dry prior to membrane application and applied in accordance with the manufacturers' specifications.

Surfaces must be clean and free from all traces of loose materials, old coatings, curing membranes, release agents, laitance, oil and greases, etc.

Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa.

Structurally unsound layers (laitance) and surface contaminants must be mechanically removed by abrasive blast tracking or grinding. Substrates heavily impregnated with oil must be cleaned by torching or suitable solvent cleaning methods.

To check that all traces of oil have been completely removed, sprinkle a few drops of water over the surface. If all the water is quickly absorbed, the surface is sufficiently oil and grease free. If the water forms into globules that remain on the surface, further thorough treatment of the surface is necessary.

Tiling direct or tiling mortar bed covering

This may be carried out after the Wet-seal Enviro-coat DSMR 408 has been cured for a minimum of 7 days.

Please Note: If using sand/cement mortar bed over Wet-seal Enviro-coat DSMR 408 a minimum thickness of 40mm is required.

Tile adhesive

WIPE OVER the Wet-seal Membrane thoroughly with clean water **PRIOR** to application of recommended adhesives that meet the requirements of AS4992.

Guarantee

Wet-seal Enviro-coat DSMR 408 carries a material and workmanship guarantee.

Technical and Physical Data

Form:	Liquid SBR cross polyurethane
Type of membrane:	Class II
Mass solids content:	54%
Elongation at break:	88%
Water absorption:	5.10% (maximum absorption)
Specific gravity:	1.100 g/cm ³

Health and Safety

The Franchised applicator must comply with the Wet-seal Health & Safety Manual.



External Wet Area Details for Wet-seal Waterproofing System

Wet-seal Enviro-coat DSMR 408 meets the requirements of AS/NZ 4858 Wet Area Membranes which is mandatory for all wet area internal membrane systems used in Australia. It also carries CSIRO Test Report No. 4551 (2008) and meets the requirements for Moving Joint Test and updated Test Report No. 5770 (2011).

All decks are to be of solid construction with a fall to the waste, gutter or edge.

Suitable substrate materials are concrete, sand/cement screed, fibrous cement sheet, 17mm (min) CD plywood and scyon (external). All areas should be clean and dry prior to membrane application and applied in accordance with the manufacturers' specifications.

All edges of sheets must be fully supported and laid in accordance to the manufacturers requirements. They should be secured into position ensuring that any fastenings such as screw heads are flush with or below the substrate surface.

When required, an aluminium angle or deck grip edge (Seton's powder coated grip edge) is recessed into the external edge of the deck to act as a drip edge. When aluminium angle is used it must extend below the underside of the substrate by at least 10mm.

The deck should be constructed so that a step-down is achieved from the internal floor area to the finished deck surface. This step-down will vary depending on factors such as wind loading but a basic minimum of 100mm is required. Must comply with AS 4654.2, published 30 June 2009.

Doors or windows providing access onto the deck should be installed after the membrane has been applied. To facilitate the builder, these areas can be detailed and the rest of the deck completed later after the doors, etc have been installed.

Decks with a perimeter nib or parapet wall should have their drainage system in the horizontal deck surface. An overflow pipe should be incorporated in the vertical wall that is the same size as the drainage system. It should be placed in such a position so that if the drainage system became blocked water escaping out of the overflow would be obvious to the householder.

We would advise the use of stirrups when fixing timber posts for balustrades, etc as they can be sealed more effectively and if the post needs replacing this can be done without damaging the waterproofing. It is compulsory to seal any penetrations.

All concrete deck areas are primed prior to the application of the Wet-seal Enviro-coat DSMR 408 system.



Sealants and Other Areas

Description

Wet-seal Top-Coat 300 is a two part water based epoxy and is coloured in the Wet-seal Corporate Jade Green.

Application

Wet-seal Top-Coat 300 can be applied as a hydrostatic resistant waterproof barrier to prevent seepage or dampness penetration through to the interior of walls and floors, basements, tunnels, lift-wells, retaining walls and carparks, a waterproofing membrane, curing membrane and barrier coating over freshly hardened (green) concrete or damp concrete either as an internal finish or prior to the application of conventional carpet and tile adhesives, self-levelling mortars or conventional building paints (complies with Australian Building Codes), a waterproof membrane in tankage and reservoir applications (including use in direct contact with potable drinking water in accordance with Australian Standard 4020), a primer coat used under the Wet-seal Pyure Coat 400 aliphatic polyurethane system or a final coat to the Wet-seal polyester fibre coat membrane system. This highly specified system is supply and fix and is only installed by Wet-seal Australia's nationwide network of fully trained Franchisees; in accordance with the Wet-seal Installation Manual.

Surface preparation

All surfaces to be treated must be structurally sound and cleaned free from previous coatings, adhesives, dirt, grease, oil or other surface contaminants. Very dry and highly porous surfaces should be sprayed with a fine mist of water prior to the application of Wet-seal Top-Coat 300.

Finish application

Allow to cure for a minimum of 24 hours at 25°C, 50% R.H. before applying adhesives, mortar, decorative coatings or other surface treatments. Take extreme care not to damage the membrane coating during subsequent treatments.

Guarantee

Wet-seal Top-Coat 300 carries a material and workmanship guarantee.

Product information

Finish:	Semi-gloss and becoming matt with age
Coverage:	As a surface coat for the Wet-seal Fibre Coat System - one coat only As a primer coat for the Wet-seal Aliphatic Polyurethane - one coat only As a stand alone waterproofing coating - two coats with a maximum total combined coverage rate of 1.5m ² /litre for the two coats (the maximum coverage rate equates to a minimum theoretical dry film thickness of 300um)
Full cure:	7 days at 25°C and 50% R.H.

Health and Safety

The Franchised applicator must comply with the Wet-seal Health & Safety Manual.



Wet-seal Systems

From a shower to a deck to a retaining wall,
We have got all your waterproofing requirements covered
Below are examples of some of our work



Shower



Deck



Bathroom



Water Feature



Residential Retaining Wall



External Joint Sealing
on Houses



Commercial Retaining Wall
with Below Ground Waterproofing



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