

Product Description

Wet-seal™ Enviro-coat DS 420 is a one component, highly durable, fibre reinforced SBR latex hybridised polyurethane, water-based membrane designed for waterproofing, decks, balconies, concrete slabs, and other general external structures that will be covered with toppings, screeds, tile beds or trafficable coverings.

Wet-seal™ Enviro-coat DS 420 is a BRANZ appraised product and is compliant to AS 4654.1:2012 and AS 4654.2:2012. Wet-seal™ Enviro-coat DS 420 is water based and low in VOC and meets the GBCA's Green Star IEQ requirements.

Features/Benefits

- Australian made
- Low VOC, water based, & non-toxic
- Fibre-reinforced for enhanced durability
- Green star compliant
- Fast curing
- Compatible with tile finishes, concrete render, and masonry toppings
- Excellent adhesion to substrates
- BRANZ Appraised
- Compliant to AS4654.1 & AS4654.2: 2012 waterproof membranes for external unexposed applications

Typical Uses

- Decks & balconies
- Podiums
- Terrace floors

Substrates

Substrates suitable for Wet-seal™ Enviro-coat DS 420 installations include:

- Concrete, screed, render and masonry
- Wet area timber sheeting and external grade plywood
- Aerated concrete panels and blocks
- External grade fibre cement sheeting including:
 - o James Hardie™ Scyon
 - o BGC Duraflor™

Substrates must be installed to manufacturer's instructions. Decks must be compliant with AS 4654.2:2012.

For further information on suitable substrates not listed here contact the Wet-seal Technical Department.

Surface Preparation

Surfaces must be clean and dry, structurally sound and conform to Australian Standards. Surfaces must be free from loose materials, dust, old coatings, concrete curing compounds, curing retardants, release agents, laitance, oil, and grease, etc.

Application

Wet-seal™ Enviro-coat DS 420 is applied exclusively by Wet-seal Approved Applicators using Wet-seal™ Enviro-fabric in accordance with Wet-seal Installation Procedures to provide installations with excellent durability and quality.

| Wet-seal™ Enviro-coat DS 420 | |
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| Technical Properties | |
| Colour | Terracotta |
| Drying | Tiles or toppings – 48 hours* |
| *Based on normal temperatures of 23° C ad 60% RH | |
| Full cure (tile over within): | 5-7 days @ 25 °C and 50% RH |
| Specific gravity | 1.15 |
| Durability tests results for AS/NZS 4654.1-2012 | |
| Elongation classification | 103% - Class II |
| Water Immersion Test – 56 days | PASS |
| Bleach Immersion Test – 56 days | PASS |
| Detergent Immersion Test – 56 days | PASS |
| Heat Aging | PASS |
| Cyclic Moving Test | PASS |
| Water Absorption Test | PASS |
| Temperature Resistance Test | PASS |
| Water Vapour Transmission Test | PASS |
| BRANZ Appraisals | Australia #1125 New Zealand #1124 |
| VOC Content (ASTM D3690-05) | 66g/L |

Detailing

Wet-seal Enviro-coat DS 420 is installed using Enviro-fabric as the carrier mechanism when detailing floor areas, vertical and horizontal joints, over bond breaker, and around penetrations and all critical areas as set out in the Wet-seal Technical Literature. Dry film thickness of floor areas is to be a minimum of 1 mm.

Tiling & Surface Topping

When tiling directly over Wet-seal™ Enviro-coat DS 420 for external floor areas, polymer modified cement based (C2S2) adhesives are recommended. Premixed tile adhesives are not recommended. All tiling is to be carried out to AS 3958.1 – 2007 “A Guide to The Installation of Ceramic Tiles”.

Clean Up

In water/detergent immediately while wet. Once dried mechanical or solvent removal is required

Storage

Shelf life 12 months if kept in a dry cool place between 10 and 35 °C in the original unopened packs. Do not store in direct sunlight.

Precautions

- Do not apply when surface temperature is below 5 °C or above 35 °C and when relative humidity exceeds 85%.
- Not to be used as a trafficable surface
- Not to be used as a finished membrane for UV exposed applications
- Do not apply to the surface when rain is imminent
- Not to be applied to glass or glazed surfaces
- Not to be used in areas where solvent or petroleum-based products may be spilled
- Not to be used in areas subject to negative hydrostatic pressure
- All finished coatings over this membrane are to be water-based and solvent free.
- Allow minimum 7 days drying after application if flood testing.
- Safety Data Sheets (SDS) are available

Wet-seal Technical

For further information contact Wet-seal Technical Department on AUS: 1800 025 081 or NZ 0800 436 000.

Notes

Details contained in product technical data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the Franchisee to check with Wet-seal Technical before commencing the application.

Product Disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and in conjunction with all Wet-seal Technical Literature and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale