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Site Furniture Roocycle M - Radiant - Flame Zone Infrastructure



Large standard range • Custom work is welcomed





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BENEFITS OF ROOCYCLE M

- Roocycle M has been tested to 1200°C with no combustion or flame out.
- Roocycle M does not absorb water and so superheated steam will not "blow out" the product.
- Roocycle M is totally fire resistant. It will not burn in a fire storm.
- Roocycle M is applicable in BAL 12.5 to 40 and FZ flame zone regulation areas and meets the AS 3959 requirements, when used
 to protect exposed timber framing eaves joists etc, under AS/ NZ 3837 materials.
- Roocycle M insulation properties help protect internal furnishing from flash burning from high external temperatures
- Roocycle M will not ignite from ember attacks. Ember attack is the largest single national contributor to home loss.
- Roocycle M is 8 to 10 times stronger than other products and insulates from intense heat and cold.
- Roocycle M does not break down in water so is ideal for flood prone areas
- Roocycle M is of no interest to insect pests and termites.
- Roocycle M exceeds BCA minimum requirements for airborne sound insulation for a wall between attached dwellings and meets
 the highest possible AAAC acoustic rating of 5 stars.
- Roocycle M During the manufacturing process, in carbonation, draws back 90% of the CO2 used to produce it and makes it a
 virtually carbon neutral product.
- Roocycle M satisfies AS 3959 and AS/NZS 3837 (BCA)
- Roocycle M most standard paints will work well
- Roocycle M 10mm and 6mm have a special class 4 finish so can be painted directly
- Roocycle M The 20mm board does not have class 4 finish and may have slight pitting

WALKING TRACKS



61100Moodie Radiant Roocycle M
Fire Resistant Products



61105Moodie Radiant Roocycle M
Walking Track Steps Kit



61103Moodie Radiant Roocycle M
Walking Track Steps Kit

BOARDWALKS



62009 Moodie Radiant Roocycle M Boardwalk Kits



62010Moodie Radiant Roocycle M
Boardwalk Kits



62011Moodie Radiant Roocycle M
Boardwalk Kits



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FURNITURE

OTHER USES:

- Viewing Platforms
- Decking
- Bird Hides
- Shelters



63500Moodie Radiant Roocycle M
Fire Resistant Furniture

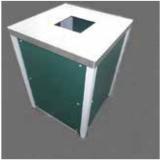


63510Moodie Radiant Roocycle M
Fire Resistant Furniture



63520Moodie Radiant Roocycle M
Fire Resistant Furniture

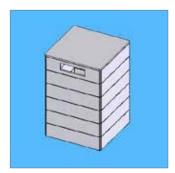
BINS



63015Moodie Radiant Roocycle M
Fire Resistant Furniture



63020 Moodie Radiant Roocycle M Fire Resistant Furniture



63030 Moodie Radiant Roocycle M Fire Resistant Furniture

FENCING/BOLLARDS



61201Moodie Radiant Roocycle M
Fire Resistant Fencing Kit



61210Moodie Radiant Roocycle M
Fire Resistant Fencing Kit



61300 Moodie Radiant Roocycle M Fire Resistant Fencing Kit



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ROOCYCLE M SPAN TEST

Panel No.	Deflectio n @ 1.8kN per mm	Deflection © 2.7kN per mm	Load © 1.0mm Deflection	Load @ 1.5mm Deflection	Load @ 2.25mm Deflection	Load Failure	Effective kN Newtons
1	1.2	1.9	1.5	2.2	3.1	4.1	4.1
2	1.4	2.5	1.3	1.9	2.5	3.6	3.6

CERTIFICATION CODEMARK CERTIFICATION (CMA-CM40007)

Roocycle M has been CodeMark Certified. (CMA-CM40007) Complies with the Building Code of Australia: BCA Volume 1 Section C for FRL (Timber Frame 60/60/60 Metal frame

90/90/90) Non Load bearing FRL -240/240. BCA Volume 2 Part 3.5.3.3, Fibre cement planks and CSIRO Certification - Report # FNK9471 CSIRO test on Roocycle M magnesium oxide glass-fibre mesh composite at 50-kW/m2 irradiance in accordance with AS/NZS 3837:1998 (replaces the old AS/NZS 1530 Part 3).

COMPLIES WITH THE BUILDING CODE OF AUSTRALIA

- BCA Volume 1 Section C for FRL (Timber Frame 60/60/60 Metal frame 90/90/90) Non Load bearing FRL -240/240.
- BCA Volume 2 Part 3.5.3.3, Fibre cement planks and weatherboard cladding.
- BCA Volume 2 Part 3.5.3.4, Fibre cement sheet wall cladding.
- BCA Volume 2 Part 3.5.3.5, Eaves and soffit linings.
- BCA Volume 2 Part 3.7.1, Fire separation for FRL to (Timber Frame 60/60/60 Metal frame 90/90/90) Non Load bearing FRL -240/240.
- BCA Volume 2 Part 3.7.4, Bushfire areas including all state variations to Part 3.7.4.0 and 3.7.4.1 as tested under AS 1530 part 8.1-2007 and AS 1530 part 8.2-2007.
- BCA Volume 2 Part 3.8.6, Sound insulation to Rw +Ctr 55.

ROOCYCLE M PASSES THE FOLLOWING BCA TESTS:

AS/NZS 3837:1998

Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter (Cone calorimeter test) - Walls & Ceilings (AS/NZS 3837 replaces AS/NZS 1530.3)

AS/NZS 1530.4

Methods for fire tests on building materials, components and structures, Part 4: Fire-resistance test of elements of construction covering fire resistance.

AS/NZS 1530.8

Methods for fire tests exclusively for materials and elements of construction in bushfire prone areas, namely: AS 1530.8.1 - Tests on elements of construction for buildings exposed to simulated bushfire attack; Part 8.1 - Radiant heat and small flaming source, which covers BAL12.5 to BAL40 and; AS 1530.8.2 - Tests on elements of construction for buildings exposed to simulated bushfire attack. Part 8.2: Large flaming sources, which covers BAL-FZ.FIRE RESISTANCE LEVEL (FRL)

Load Bearing Steel Frame: 90/90/90 Timber Frame: 60/60/60 Non Load Bearing: -/240/240

DISCLAIMER

The information and recommendations set forth herein are believed to be accurate as at 29 March 2013 and provided with permission of the manufacturer.

However Moodie Outdoor Products P/L cannot predict or ensure the conditions that the product may be used and hence Moodie Outdoor Products P/L makes no

warranty with respects to and disclaims all liability from reliance on this information unless design & construction quotations are accepted.