

Technical & Performance Overview

PRODUCT DESCRIPTION

Prefinished External Cladding is a high-performance exterior wall solution combining a fibre cement substrate with a factory-applied, air-dry silicone acrylic coating. This system delivers durability, weather resistance, and a consistent aesthetic finish across a range of cladding applications.

APPLICATIONS

- External facades and walls
- Commercial buildings
- Residential housing
- Suitable for cyclonic and bushfire-prone regions (up to BAL-40)

Prefinished External Cladding – Fibre Cement

DIMENSIONS & FORMATS

Panel Sizes:

- 900mm x 1800mm
- 900mm x 2400mm
- 900mm x 3000mm
- 1200mm x 1800mm
- 1200mm x 2100mm
- 1200mm x 2400mm
- 1200mm x 2700mm
- 1200mm x 3000mm

Thickness: 9mm

Profile: Square edge

Weight: ~17.8 kg/m²

Layout Options: Horizontal, vertical, diagonal, curved

Jointing: Expressed

PHYSICAL & MECHANICAL PROPERTIES

Modulus of Rupture (Wet): >18 MPa

Modulus of Elasticity (Wet): 9–13 GPa

Density: 1625 kg/m³

Water Absorption (48hr): 18 wt%

Moisture Content (EMC): 7 wt%

Moisture Movement: 0.04%

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DURABILITY & WEATHER RESISTANCE

Water Tightness: Pass (No water droplets after 24 hrs)

Heat Rain: Passed (25 cycles)

Freeze Thaw: Passed (50 cycles)

Warm Water Resistance: Passed (56 days)

Soak Dry: Passed (25 cycles)

UV Resistance: Excellent (air-dry silicone acrylic coating)

THERMAL & ACOUSTIC PERFORMANCE

Thermal Conductivity: ~0.41 W/m.K

Thermal Expansion Coefficient: 0.005–0.01 mm/mK

Acoustic Performance: RW/RW+CTR up to 56/47 depending on wall system

Thermal R-value (Wall System): RT(sum)/RT(win) up to 3.5/3.8

FIRE PERFORMANCE

Combustibility: Non-combustible (per BCA Clause C1.9)

Fire Hazard Classification: Group 1

Specific Extinction Area < 250 m²/kg

Fire Resistance Limits (FRLs): Up to 120/120/120 & -/180/180 (system dependent)

BAL Rating: Up to BAL-40 compliant

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COATING SYSTEM

Type: Solvent-borne, air-dry silicone acrylic

Appearance: Low sheen to gloss

Colours: Popular Colorbond® colours available; custom colours available via pre-order

Dry Film Thickness: 35–45 µm

Application: Factory-applied via airless/conventional spray

Cure: Air flash (12–15 mins) or force dry (60 mins at 50°C)

Durability: Rated for 20 years when maintained correctly

INSTALLATION & FIXING

Max Stud Spacing: 600mm

Cavity Fixing: Timber, Steel, Masonry

Direct Fixing: Not recommended

Colour Coded Exposed Fasteners: Screws (approved); rivets pending;

Refer to JH Exotec Manual, CSR Express Wall Manual, Etex Duracom Manual.

WARRANTY

10-Year Structural Substrate Warranty

20-Year Durability Warranty on Coated Surface (subject to maintenance)

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MAINTENANCE

Clean every 6 months (more frequently in coastal/industrial zones)

Use mild detergent, soft cloths, and rinse thoroughly.

Avoid strong solvents.

Refer to the Click Coats Maintenance Procedure.

REPAIR

Light scratches: Clean, scuff lightly, recoat

Spray packs are available for minor touch-ups and small-area repair.

Larger areas: Pressure clean, scuff, and reapply coating to spec

NOTES

Suitable for buildings under AS4055 and AS3959

Weatherproofing tested to 3 kPa (serviceability)

Cyclonic test compliance to 6.4 kPa (ultimate)

For full installation details or compliance references, contact Click Coat's technical team.

DISCLAIMER

Any advice, recommendation, information, assistance or service provided by Pre Finish Building Pty Ltd in relation to goods manufactured by it or their use and application is given in good faith and is believed Pre Finish Building Pty Ltd to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Pre Finish Building Pty Ltd provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Pre Finish Products Pty Ltd by any condition or warranty implied by applicable legislation, regulation or other Government ordinance voiding or prohibiting such exclusion, limitation or modification

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