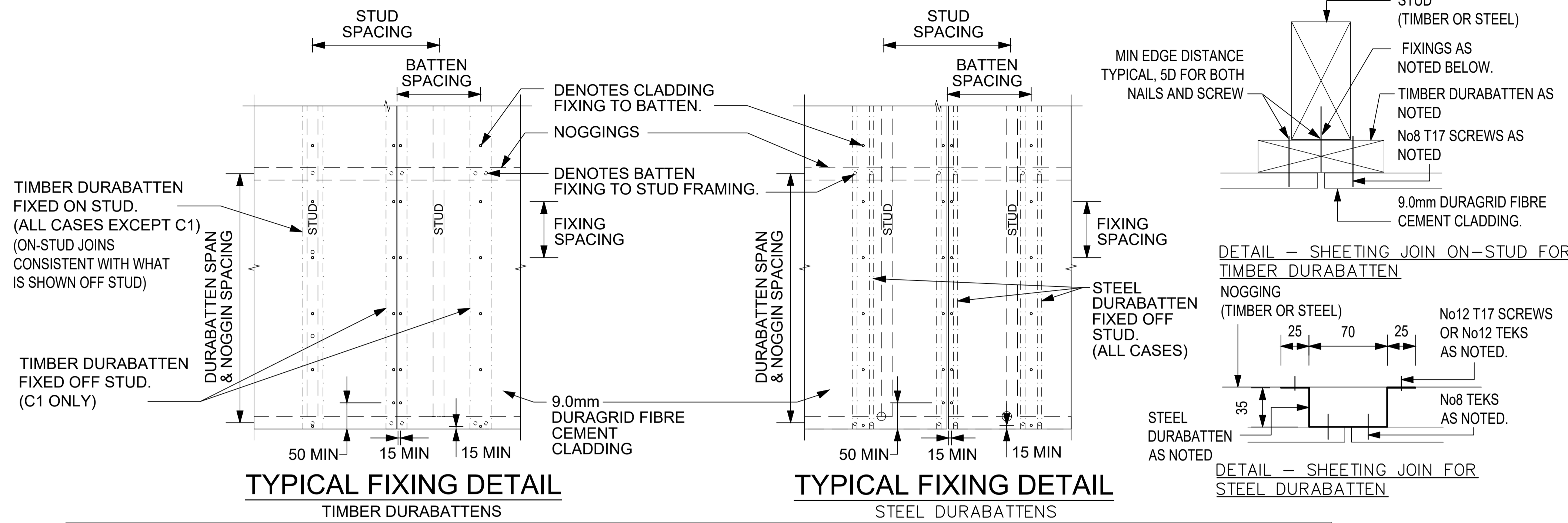


NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code (NCC) Volume 2

This product has been determined to satisfy NCC Performance Requirement H1P1 for structural of resistance materials and forms of construction in high wind areas



Product Name
9.0mm 'DURAGRID' Fibre Cement Cladding System (Including Durabattens)

Product Description
EXTERNAL WALL CLADDING SYSTEM FIXED TO STEEL OR TIMBER FRAMING

Manufacturer's Details
 etex inspiring ways of living **etex Australia Pty Ltd - Innova Fibre Cement**
INNOVA 21/31 Military Rd, Matraville NSW 2036

Design Criteria

- WIND CLASSES N4-N6 AND C1 TO C4 TO AS4055-2021 WIND LOADS FOR HOUSING (INCLUDING AMENDMENT 1)
- THE CAPACITIES AND FIXING REQUIREMENTS SHOWN ON THIS CERTIFICATION ARE SUITABLE FOR FIXING TO TIMBER AND STEEL STUDS.
- A MATERIAL CAPACITY REDUCTION FACTOR OF 0.8 HAS BEEN USED FOR ALL PROOF TESTING BY BRANZ AND CYCLONE STRUCTURAL TESTING STATION.
- FIBRE CEMENT SHEETS HAVE BEEN MANUFACTURED IN ACCORDANCE WITH AS/NZS 2908.2:2000 CELLULOSE CEMENT PRODUCTS PART 2: FLAT SHEETS OR ISO 8336:2017 FIBRE CEMENT FLAT SHEETS - PRODUCT SPECIFICATION AND TEST METHODS.
- THE FOLLOWING STANDARDS APPLY TO THIS DESIGN:

AS/NZS1170.0:2002 (Amdt 1,2,3,4,5)	AS4040.0:1992 (R2016)
AS/NZS1170.1:2002 (Amdt 1,2 & R2016)	AS4040.1:1992 (R2016),
AS4055:2021 (Amdt 1)	AS4040.3:2018
AS1684.3:2021	AS4100:2020 (Amdt 1)
AS1720.1:2010 (Amdt 1,2,3)	AS/NZS4600:2018

DURAGRID WALL CLADDING TABLE							
WIND CLASS	ULTIMATE LIMIT STATE EXTERNAL PRESSURE WITHIN 1200mm OF CORNERS (kPa)	ULTIMATE LIMIT STATE EXTERNAL PRESSURE ELSEWHERE (kPa)	MAXIMUM STEEL / TIMBER DURABATTEN SPAN (mm)	MAXIMUM DURABATTEN SPACING WITHIN 1200mm OF CORNERS (mm)	MAXIMUM FIXING SPACING WITHIN 1200mm OF CORNERS (mm)	MAXIMUM DURABATTEN SPACING ELSEWHERE (mm)	MAXIMUM FIXING SPACING ELSEWHERE (mm)
N4	-2.90	-1.45, +1.56	900	450	140	450	200
N5	-4.27	-2.14, +2.30	900	300	140	450	180
N6	-5.77	-2.88, +3.11	850	300	100	450	135
C1	-1.95	-0.98, +1.05	900	450	200	450	200
C2	-2.90	-1.45, +1.56	900	450	140	450	200
C3	-4.27	-2.14, +2.30	900	300	140	450	180
C4	-5.77	-2.88, +3.11	850	300	100	450	135

- CONSTRUCTION NOTES:**
- 9.0mm DURAGRID CLADDING MAY BE FIXED TO A TIMBER OR STEEL WALL FRAME AS PER THE INFORMATION ON THIS SPECIFICATION. ALL FIXINGS TO BE CENTRAL TO BATTENS/STUDS UNLESS AT JOINS IN THE SHEETING AND TO COMPLY WITH AS 1720. THIS DATA SHEET MUST BE READ IN CONJUNCTION WITH THE DURAGRID PRODUCT LITERATURE.
 - TIMBER WALL FRAMING:**
 - TO BE CONSTRUCTED IN ACCORDANCE WITH AS 1684-2021 RESIDENTIAL TIMBER FRAMED CONSTRUCTION. TIMBER CONNECTIONS TO BE MINIMUM JOINT GROUP JD4. USE ONLY SEASONED TIMBER WITH MINIMUM OF 70x35 STUD FRAMING MEMBER.
 - WHERE NOGGINGS ARE TO SUPPORT BATTENS/CLADDING, NOGGINGS AND THEIR CONNECTIONS TO BE INDEPENDENTLY CHECKED AND CERTIFIED FOR ADEQUACY TO SUPPORT LOADS.
 - STEEL WALL FRAMING:**
 - TO BE CONSTRUCTED IN ACCORDANCE WITH THE NATIONAL ASSOCIATION OF STEEL FRAMED HOUSING STANDARD - DESIGN OF RESIDENTIAL AND LOW-RISE HOUSING, NASH:2009 & NASH PART 1:2005 (Incl. Amdt A, B, C).
 - TO BE IN ACCORDANCE WITH AS 4600:2018-COLD-FORMED STEEL STRUCTURES WITH MINIMUM THICKNESS TO BE 1.0mm. (MIN GRADE G450).
 - WHERE NOGGINGS ARE TO SUPPORT BATTENS/CLADDING, NOGGINGS AND THEIR CONNECTIONS TO BE INDEPENDENTLY CHECKED AND CERTIFIED FOR ADEQUACY TO SUPPORT LOADS.
 - TIMBER DURABATTENS:**
 - TIMBER DURABATTENS TO BE MIN 75x19 H5 TREATED PLY, MIN F17 STRESS GRADE, STUD SPACING TO BE AS PER THE DURABATTEN SPAN IN THE ABOVE TABLE, WHERE FIXING ON-STUD.
 - ON-STUD: FIX TIMBER DURABATTEN TO STEEL STUDS WITH No10-18 TEKS @ 300C/C, AT SHEETING JOINS REDUCE SPACING TO 150 C/C.
 - ON-STUD: FIX TIMBER DURABATTEN TO TIMBER STUDS WITH 75x2.8mm RING SHANK NAILS @ 250C/C. AT SHEETING JOINS REDUCE SPACING TO 125 C/C.
 - ON-STUD: FIX CLADDING THROUGH TIMBER DURABATTEN AND INTO STUD WITH No8 T17 SCREWS, (20MIN EMBEDMENT) OR No8 TEKS INTO STEEL STUD, EXCEPT AT SHEETING JOINS.
 - ON-STUD AT SHEETING JOINS: FIX CLADDING TO TIMBER DURABATTEN WITH No8 T17 SCREWS, AND ENSURE FIXINGS ARE FULLY ENGAGED IN BATTEN WITH 10mm PROTRUSION.
 - OFF-STUD(C1 ONLY): FIX TIMBER DURABATTENS TO STEEL NOGGING WITH 2No8-18 x 40mm TEKS.
 - OFF-STUD(C1 ONLY): FIX TIMBER DURABATTENS TO TIMBER NOGGING WITH 2No12 T17 SCREWS, 40MIN EMBEDMENT TO NOGGING.
 - OFF-STUD(C1 ONLY): FIX DURAGRID CLADDING TO TIMBER DURABATTEN WITH No8 T17 SCREWS, AND ENSURE FIXINGS ARE FULLY ENGAGED IN BATTEN WITH 10mm PROTRUSION.
 - STEEL DURABATTENS:**
 - STEEL DURABATTENS TO BE 35x70x0.75 (MIN GRADE G300), STEEL DURABATTENS CAN ONLY BE FIXED OFF STUD DUE TO PROFILE OF DURABATTEN.
 - FIX STEEL DURABATTENS TO STEEL WALL FRAME WITH 2No12-14 x 20mm TEKS.
 - FIX STEEL DURABATTENS TO TIMBER WALL FRAMES WITH 2No12 T17 SCREWS, 40MIN EMBEDMENT TO NOGGING.
 - FIX DURAGRID CLADDING TO STEEL DURABATTEN WITH No8-18 x 30mm FIBRE TEKS.
 - ALL FIXINGS ARE TO BE A MINIMUM OF 15mm FROM SHEET EDGES AND A MINIMUM OF 50mm FROM SHEET CORNERS, AND TO BE CLASS 4 FINISH.

- Limitations**
- MAXIMUM BUILDING DIMENSIONS AND LAYOUT TO BE AS PER AS4055-2021-WIND LOADS FOR HOUSING. (INCLUDING AMENDMENT 1)
 - CLADDING IS TO BE PAINTED TO DURAGRID'S SPECIFICATION. (<https://www.innovafibreceement.com.au/en-au/exterior-and-interior-walls/innova-exterior-facade-duragrid/>)
 - THIS TABLE APPLIES FOR FIXING TO A TIMBER OR STEEL FRAME WITH FIXINGS AS DETAILED ON THIS SPECIFICATION.
 - DURAGRID CLADDING IS AN EXTERNAL CLADDING SUITABLE ONLY FOR EXTERNAL PRESSURES AND SUCTION LOADS. INTERNAL LININGS THAT ARE ADEQUATE TO RESIST INTERNAL DESIGN PRESSURES MUST BE INSTALLED.**
 - DURAGRID CLADDING IS NOT SUITABLE TO CARRY RACKING LOADS.
 - FIXINGS ARE NOT TO BE OVER-DRIVEN INTO FIBRE CEMENT SHEETING. OVER-DRIVEN FIXINGS ARE TO BE REPLACED.
 - STUD CAPACITY MAY BE LIMITING AND IS TO BE CHECKED SEPARATELY BY A QUALIFIED STRUCTURAL ENGINEER.
 - THE VALUES PRESENTED IN THE WALL CLADDING TABLE ON THIS SPECIFICATION ARE THE MAXIMUM STUD SPACING AS REQUIRED TO SUPPORT CLADDING.
 - WHERE NOGGINGS ARE TO SUPPORT BATTENS/CLADDING, NOGGINGS AND THEIR CONNECTIONS TO BE INDEPENDENTLY CHECKED AND CERTIFIED FOR ADEQUACY TO SUPPORT LOADS.

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/426/01-01

Notes covering basis of DTC (Relevant test reports etc)
 THE CAPACITIES AND FIXING REQUIREMENTS SHOWN ON THIS CERTIFICATION ARE BASED ON THE FOLLOWING DOCUMENTATION AND RESULTS OF TESTING CONDUCTED BY:
 JCU Cyclone Testing Station
 • REPORT NO. TS1104 (03/04/2018) - Cyclic Simulated Wind Load Testing of Duragrid Facade System.

Checking Engineer
 Name: Alan Dowling
 Registration Number: NER 3251796
 Date: 27/11/2025
 Signature:

Certifying Engineer
 Name: Hon Yan Woo
 NT Registration Number: 47589ES
 Date: 27/11/2025
 Signature:

Chairperson Signature:

Chairperson Name: Elisha Harris

Date of Approval: 11/12/2025 Expiry Date: 11/12/2030