QUICKCLAD TECHNICAL DATA SHEET

STEP A INSULATION THICKNESS

Select the appropriate insulation thickness for the appropriate R-value.

Series 60mm QuickClad
Series 70mm QuickClad

- Design stud frame walls in accordance to the local building code.
- Insulation sheets to be cut as shown in diagram below under Design Detailing Ⓑ.
- QuickClad insulation sheet density to be 16kg m³.

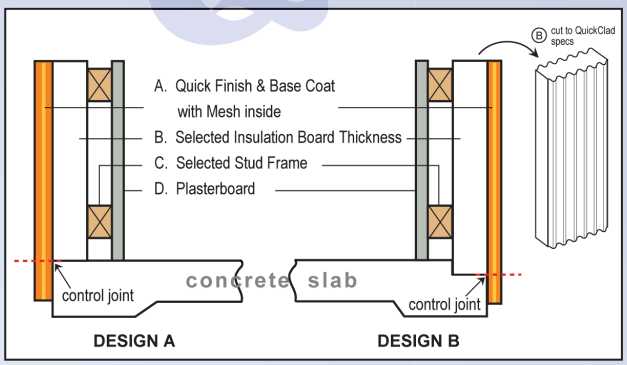
Building Systems	R-value
60mm QuickClad	1.666
70mm QuickClad	2.0
Weatherboards	nil
Bricks	nil
Cement Sheet	nil
Masonry Blocks	0.0026

Table 1: Fire Retardant Foam Sheet

Fire retardant QuickClad insulation board manufactured in accordance to A.S. 1366.3 1992. QuickClad Systems: A.S. 1530.3 ANZ. 1562.3 B.S. 476 Part 1987 QuickClad boards are coated with non-combustible base and finish coats in accordance to the QuickClad specifications.

STEP B DESIGN DETAILING

Generally, a rebate the thickness of the selected system is installed on the outer edge of slab as shown in the adjacent drawing. A 30mm deep rebate is common, however, rebates are not mandatory. Insulation board can be placed flush to edge on the concrete slab.



Select either Design A OR B
Note: Do not install cladding directly into earth.

A control joint is cut along the slab edge through to the mesh. This allows for expansion and contraction. If the mesh is cut through the expansion join is to be caulked with a polyurethane caulking compound.

Control joints are to be installed every 8 metres, preferably above and below openings and internal corners.

At each floor level of multi story constructions these control joints must be caulked.

STEP C SHEET FIXING

Specifying the sheet fixing detail with non-rusting QuickClad fixing discs in appropriate wind load regions. QuickClad is certified for cyclonic W60 C wind loads.

QuickClad insulation boards are fixed horizontally. Sheet sizes 2.4m x 1.2m.

Wind Load	Disc	Corner Openings
W33 - 41	450mm	400mm
W41 - 47	450mm	350mm
W47 - 57	400mm	300mm
W60	300mm	150mm

Table 2: QuickClad Fixing Discs

Notes: Installers to use fasteners as listed below.
DO NOT use Ribbed Countersunk Heads

TIMBER STUD FRAME

Sheet Thickness	Nail Length	Nail Gauge	Nail Type	Product No.
70mm	100mm	3.75mm	Flathead Galv	#FG10037
Flat head galvanised nail FIXINGS				

STEEL STUD FRAME

Sheet Thickness	Screw Length	Part No.	Class 2 Coating
60mm	65mm	#6-3-0058-4	Yes
Self-Drilling 10-24 x 65mm CSK TEK SCREWS with Class 2 Coating FIXINGS			

Table 3: Frame Fixings

STEP D COMPOSITE THICKNESS

Specifiying the appropriate thickness of composite to suit the particular wind loads in accordance to the test results from BHP NATA certified testing station is shown in **Table 4**.

Note: For cyclonic/typhoon regions strictly use Quickwall 2 Pack mineral base coatings only.

*** Do not use acrylic coatings ***

Wind Loads	Base Coat	Finish Coats
W33 - 41	5 mm	Quick Finish
W41 - 47	6 mm	Quick Finish
W47 - 57	7 mm	Quick Finish
W60	10 mm	Quick Finish

Table 4: Material Thickness