



FIRE WALL : FRL 90/90/90

DOUBLE STUD DISCONTINUOUS

TIMBER FRAME ACOUSTIC RATED **Rw 62** INTER TENANCY OR PARTY WALL

FireCrunch MgSO₄, Fireproof Cladding Products

NATA Labs Australia Fire Tested Systems **AS1530.4** and more

T: 1300 933 102

Please email orders to sales@firecrunch.com.au



DOUBLE STUD DISCONTINUOUS FRAME FIRE WALLS FRL 90/90/90

DOUBLE STUD "DISCONTINUOUS" TIMBER FRAME ACOUSTIC RATED RW62 INTER TENANCY OR PARTY WALL **FIRE WALL UP TO FRL 90/90/90** (TOTAL WALL WIDTH ONLY 220mm)

NOTE: LOAD BEARING COMMENT BELOW ****

SUMMARY INSTALLATION, DOUBLE FRAME TIMBER FIRE WALL (INTERNAL & EXTERNAL)

WHAT YOU NEED :-

- 1 • 90mm x 45mm TIMBER FRAMING MGP 10 OR SIMILAR .
- 2 • Self C/S RIBBED HEAD BUGLE Timber penetration, needle point screw fixings (see web site) firecrunch.com.au/technical-specifications/
- 3 • Steel Self C/S steel penetration winged screw fixings see web site tech specs
- 4 • R 2.5 Glass Wool batts Bradford/ CSR or similar (R 2.5 minimum)
- 5 • AS/ 1530.4 Fire / weather sealant web site firecrunch.com.au/recommended-products/
- 6 • FireCrunch sheets sizes 24/12, 27/12 and 30/12 and WIDTH all 1200mm.

STEPS

- 1 • **ASSEMBLE THE TIMBER FRAMING .MAX STUD CENTRES 400mm** 3 x PER 1200 WIDTH SHEET AVOID 300mm RUN OFF ON 450mm studs. Allow for 6mm gap creep ea.1200mm sheet for fire seal gap.
- 2 • INSERT THE R2.5 FIRE BATTES TO THE FRAME CAVITY .
- 3 • GUN 3 BEADS 2/3mm THICK FIRE SEALANT DOWN THE STUD FACE WHERE THE JOINTS MEET.
- 4 • • START BOARD ASSEMBLY VERTICALLY FROM LEFT SIDE OF SIDEONE, 1200mm WIDE SHEETS . SCREW FIX TO STUDS AND NOGS AT 200mm CENTRES (DO NOT ASSEMBLE HORIZONTALLY AS FIRE JOINTS WILL FAIL !!) (Leave 10mm expansion joints each 5m to 6m) and around windows and door frames.
- 5 • CONTINUE TO ASSEMBLE LINEAR TO RIGHT, LEAVING A 6mm FIRE SEALANT GAP BETWEEN BOARDS.
(EXTERNAL ONLY) ALLOW 6mm "CREEP" OVER LINEAR EACH 1200mm on 45mm STUD WIDTH,
SEE PLASTER BOARD & PAINT SUMMARY ABOVE AND FOR INTERNAL FLUSHED JOINT PROCEDURES YOU DO NOT LEAVE ANY 6mm FIRE SEAL GAPS on internal set boards (6mm GAPS EXTERNAL WALLS ONLY).

SEALER + UNDERCOAT + PAINTING OR RENDERING :

FireCrunch is a fire and finish board which delivers a minimum class 4 finish. For paint application, (INTERNAL / EXTERNAL) (WARRANTY) first ensure surface is dust free and clean, seal with :

- 1st step : **AquaCrunch / KLAAS Si VAPOUR PERMEABLE sealer (interior and exteriors) ,**
- 2nd step : you must then apply **Dulux Precision MAX ADHESION undercoat,** then apply
- 3rd step : **Dulux** paints or texture top coats.

AquaCrunch / KLAAS Si VP sealer primer is obtainable on order from FireCrunch Australia. A Top Class 4 /5 commercial finish is then obtained. <https://www.firecrunch.com.au/recommended-products/>

DO NOT ALLOW FIRECRUNCH Boards to get WET or Hydrate over 10% BEFORE Sealing with AquaCrunch Sealant.

- Fire sealant, use Bostik Fire Ban or any (PU) AS1530.4 fire sealant see website [firecrunch.com.au/ recommended-products](http://firecrunch.com.au/recommended-products/)

NOTE: Load bearing timber walls may require a structural engineers confirmation as to load bearing weight in Timber framing. Steel framing is already confirmed to FRL 90/90/90 WITH NATA CSIRO TEST, FCA SE10mm PRODUCTS (55kN).load bearing 1.15BMT

****NOTE:

The 1st figure is the structural adequacy of the load bearing frame ,the 2nd figure is the PERFORMANCE INTEGRITY of the FCA cladding product, the 3rd figure is the insulation capability to control the temperature required to BCA level unexposed face for the applied period of the test. A load bearing requirements vary considerably the load bearing providing the structural adequacy of the SUPPORT FLOORING or WALL FRAMING is determined by the projects structural engineer RELATING TO THE NATA Labs THE TIME TEMPERATURE CURVE shown in the fire test report. Not applicable in slab to slab construction.

