



FRL 30/30/30 TO 60/60/60

SINGLE TIMBER FRAME FIRE WALL (INTERNAL & EXTERNAL)

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



SINGLE TIMBER FRAMED FIRE WALLS FRL 60/60/60

SINGLE FRAME TIMBER FIRE WALL FRL 30/30/30 TO 60/60/60

SUMMARY INSTALLATION **NOTE: LOAD BEARING COMMENT BELOW ******

SINGLE TIMBER FRAME FIRE WALL (INTERNAL & EXTERNAL)

WHAT YOU NEED :-

- 1 • TIMBER FRAMING MGP10 OR SIMILAR .90mm x 45mm
- 2 • Self C/S TIMBER PENETRATION NEEDLE POINT screw fixings (see web site "Tech Specs") firecrunch.com.au/technical-specifications/
- 3 • Steel, Self C/S corrosion proof steel penetration bugle or flat head for 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 see web site Recommended Products
- 6 • FCA SHEETS 24/12, 27/12 and 30/12 , width all 1200mm.

STEPS

- 1 • ASSEMBLE THE TIMBER FRAMING FRAMING MAX STUD CENTRES 400mm for 1200 wide sheets allow for 6mm fire seal gap creep on linear 1200 assembly.
- 2 • INSERT the 90mm R2.5 FIRE BATTS, INTO THE FRAME CAVITY
- 3 • GUN 3 BEADS 2/3mm THICK BEADS FIRE SEALANT DOWN THE STUD FACE WHERE THE BOARD JOINTS MEET.
- 4 • START BOARD ASSEMBLY(VERTICALLY FROM LEFT SIDE OF SIDE ONE) ,1.2m WIDE SHEETS .
SCREW FIX TO STUDS and NOGS AT 200mm CENTRES (DO NOT ASSEMBLE HORIZONTALLY AS FIRE JOINTS WILL FAIL).
- 5 • CONTINUE TO ASSEMBLE LINEAR TO RIGHT, LEAVING A 6mm FIRE SEALANT GAP BETWEEN BOARDS.
GUN FIRE SEALANT INTO 6mm GAP AND TOOL DOWN 2/3mm FOR SHADOW LINE PANEL JOINT EFFECT.
SEAL THE external surface and any exposed side edges only ,WITH ONE COAT OF KLAAS S1 Primer sealer .

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.

For fire sealant, use Bostik Fire Ban or any (PU) AS1530.4 fire sealant see website firecrunch.com.au/recommended-products/ . RENDERS follow manufacturers instructions after priming with Klaas Si AquaCrunch

NOTE. ****

Load bearing rating (1st figure of FRL) IN TIMBER ONLY must be assessed by a structural engineer as all support framing and types vary. The FCA product in 10mm has a PRODUCT integrity and insulation of 60 minutes using steel or timber framing and will not allow fire pass during that max period on a SINGLE 90mm x 45mm steel frame 1.15 BMT, AND 90 MINUTES Load bearing 55kN MGP 10 timber DOUBLE stud Discontinuous Frame /NATA / CSIRO and Res Labs QLD See general technical manual web site and page 4 for corrosion proof for screw types and lengths scale

