

# PLASTER JOINT SETTING MANUAL

Using FireCrunch MgSO<sub>4</sub> Fireproof Cladding Products

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NATA Labs Australia Fire Tested Systems AS1530.4 and more



FIRE PROOF



FLOOD PROOF



IMPACT RESISTANT



TERMITE PROOF



MOULD & BACTERIA PROOF



# Instruction Manual For Plaster Set Joints Using FireCrunch TE10

## Read CAREFULLY before commencing

FCA products are slightly different in procedures, plaster compound products are warranted by Pro Plaster Qld, who have tested the FCA (TE10) series products with its compounds on FCA products. FCA does not warrant any other manufacturers compound products.

Plaster setters must ensure they proceed exactly to the Pro Plaster manufacturers instructions. See [proplaster.com.au](http://proplaster.com.au) for supply outlets in Australia. FCA warrants the FireCrunch product tested in fire and other specified areas of the FCA material capability. See [Recommended Products](#) and [Manuals & Drawings](#).

1. **IF YOU USE OTHER BRANDS OF COMPOUNDS AND TOPPING**, please consider that for their own commercial interests, Boral, Gyprock, CSR, Knauf, BGC and other plasterboard manufacturers, will only warrant their own setting compounds with their own supplied plasterboard. Fiba Fuse and similar non-paper taping products can be used externally, please carefully check the manufacturer's instructions before use. ONLY use paper tape internally. Pro Plaster is a specialised compounds manufacturer and does not manufacture plasterboard and they provide the FireCrunch setting warranty. **USE ONLY PRO PLASTER PRO BASE 40**. FireCrunch products have been tested with Pro Base 40 (warranty).
2. **IMPORTANT NOTE:** Internal plaster set joints: DO NOT leave a 6mm fire sealant gap between interior set FireCrunch boards. If you are also the FCA board installer, gun 3 beads of fire sealant down the vertical internal wall stud joint face only. Press boards onto sealant and screw fix first board min 12mm from edge and at 200 mm centres leaving only a 1mm fire sealant pressured gap between boards, screw fix as to web site instruction manuals [Manuals & Drawings](#).  
 Otherwise, use normal plaster set compound standard procedures. Fire seal with fire sealant to ALL PERIMETERS and EDGES, after fixing the boards, using an approved AS1530.4 fire/weather sealant: Fullers (Fire Sound) fire rated acoustic sealant Rw65, or BOSTIK (Fire Ban), TREMstop PU, Sikka or Soudal products. See [Recommended Products](#).
3. **IF BOARDS HAVE ALREADY BEEN INSTALLED BY OTHERS AND DO NOT MEET THE ABOVE FIRECRUNCH INSTALL SPECIFICATION, THEY WILL HAVE TO BE REMOVED AND RESET TO FIRE SPECIFICATION BEFORE SETTING PLASTER JOINTS, OR FCA WARRANTY WILL BE VOIDED.**
4. Set expansion joints at minimum 4-5 metre intervals (10mm) and over and around doors and window areas, in good building practice.
5. **PRE-COMMENCEMENT PROCEDURE PLASTER SETTING:** Ensure that the recessed edge area of FireCrunch board is well pre-soaked with a wet sponge, on warm days over 23 deg C, prior to applying the first coat of compound and tape, as FireCrunch is more absorbent than plasterboard and the compound moisture may otherwise be absorbed before the joint is cured and set and may cause minor joint cracking. **THAT IS ALSO WHY THE SHORTER SET TIME PRO PLASTER PRO BASE 40 (40Min) COMPOUND IS USED (Warranty).**
6. USE **PRO PLASTER PRO BASE 40 ONLY (Warranty)** with 40 minutes faster set time base compound. Embed with paper tape internally, 1st and 2nd coat screed out to your experienced considered distance. Use fine topping and feathering out to 250mm for even flush finish.
7. Once dry and dusted off then apply **MUROBOND MP PRIMER** to instructions, then undercoat to suite brand of water-based and finish paint selection. FireCrunch is a fire and finish board that delivers a minimum class 4 finish using suitable paint applications for internal/external.  
**STEP 1** Ensure surface is dust-free and clean, prime with MUROBOND MP Primer (Warranty interior and exteriors)  
**STEP 2** You must then apply selected water-based pain brand undercoat.  
**STEP 3** Apply water-based paints finish coats.  
 Murobond MP primer is supplied by FireCrunch on order from FireCrunch Australia. See [Place An Order](#). A Top Class 4/5 commercial finish is then obtained - see [Recommended Products](#).
8. FireCrunch boards 10mm can be deep score snapped. When cutting, use bench saw, use regular timber fine tooth cutting blades and a power dust extractor at the blade, always wear an approved respiratory mask.
9. FCA is non-carcinomas, see Safety Data Sheet (SDS) [Manuals & Drawings](#).



## IMPORTANT INSTALLATION NOTES

### Horizontal flush joint

- ★ All stud facings and noggin facings must be in an even plane AND FLUSH.
- ★ If a void is present behind the rear face of the sheet and the outer face of the noggin the void must be packed out with stud adhesive or similar before screw fixing.
- ★ Apply 3 daubs per maximum 600mm STUD SEPARATION.
- ★ All sheets should be fixed at 200mm centres along the stud and at the bottom & top plates.
- ★ Timber frames should be checked for plumb and level and straightened if necessary.
- ★ **DO NOT SCREW THE NOGGIN JOINT UNLESS STUD ADHESIVE OR SIMILAR IS APPLIED TO FILL THE VOID OTHERWISE JOINT CRACKING MAY OCCUR.**

### Vertical flush joint

We recommend that the vertical joint is fixed at 200mm centres along the length of the stud and at the top & bottom plates.

A double stud system should be utilised at the vertical joint. (6mm sheet separation for recommended fire sealant AS1530.4)

### Vertical set sheets, butt end joints

We recommend that when butt joining of a horizontal batten or noggin then back blocking must be installed. USE AS 1530.4 FIRE SEALANT TO NOGGIN FACE AND BUTT JOINT EDGES 6mm separation.

Install a maximum 200mm x 600mm (or to suit space) back block, fixed at 100mm to one side of the sheet and the same to the corresponding sheet, glued with suitable adhesive to the rear of the sheet and fixed through the face of the sheet with 30mm x 8g screws @ 100mm staggered centres on each side, 15mm from sheet edges in all cases.