



Plaster Joint Setting Manual
using FireCrunch products
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



INSTRUCTIONS Manual for FireCrunch (Boards) :**Plaster joint setting and Painting**
PLASTER SETTING INSTALLERS THIS IS FOR YOU ,Warranty provisions using FIRECRUNCH (FCA)

Read CAREFULLY before commencing....

Plaster joint setting using FireCrunch. FCA products are slightly different in procedures, plaster compound products are warranted by Pro Plaster QLD, who have tested the FCA product with it's compounds . 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 for supply outlets in Australia FCA warrants the FireCrunch product tested in fire and other specified areas of the FCA material capability, see <https://firecrunch.com.au/recommended-products/> and <https://firecrunch.com.au/technical-specifications/>

1• • You can use other brands of compounds and toppings, however 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 plaster board. Fibra Fuse and similar non paper taping products can be used externally, please carefully check manufacturers instructions before use. **ONLY use paper tape internally.** Pro Plaster is a specialised compounds manufacturer and does not manufacture Plaster board.

PRO PLASTER PRO BASE 40: <https://proplaster.com.au/products/pro-base-40min-20kgs> 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 internal wall stud joint face only. Press boards on to sealant and screw fix 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,

firecrunch.com.au/technicalspecification.com.au/

Otherwise use normal plaster set compound standard procedures . FIRE SEAL ALL PERIMETERS AND EDGES, after fixing the boards, use approved AS/1530.4 : **FIRE / WATER SEALANT:** FULLERS (FIRE SOUND Fire rated acoustic sealant Rw65), or BOSTIK (FIRE BAN), TREMstop PU , Sikka or Soudal products, firecrunch.com.au/recommended-products/

3• **IMPORTANT NOTES:** IF BOARDS HAVE ALREADY BEEN INSTALLED BY OTHERS AND DO NOT MEET THE ABOVE FIRECRUNCH INSTALL SPECIFICATION, THEY WILL HAVE TO BE REMOVED RESET TO SPECIFICATION BEFORE SETTING PLASTER JOINTS, OR FCA WARRANTY WILL BE VOIDED.

4• Set expansion joints at minimum 4 - 5 meter intervals, (10mm) and over and around doors and window areas, in good building practice.

5• IMPORTANT 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 plaster board and the compound moisture may OTHERWISE be absorbed before the joint is set cured and set and may cause minor joint cracking.

THAT IS WHY A 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 , 2nd coat screed out to 150 mm per side, or your experienced considered distance. **Use fine topping and feathering out to 250mm for even flush finish.**

7• Then apply AquaCrunch primer + DULUX Precision Undercoat + PAINT or Render : FireCrunch is a fire and finish board which delivers a minimum class 4 finish.

For paint application, (INTERNAL / EXTERNAL). First ensure surface is dust free and clean, seal with AquaCrunch Vapor PERMEABLE Primer (WARRANTY)(interior and exteriors) , 2nd : you must then apply Dulux Precision MAX ADHESION undercoat, then apply Dulux water based paints or texture top coats. (WATER BASE only) . AquaCrunch primer is obtainable on order from FireCrunch Australia. <https://firecrunch.com.au/place-an-order/>

A Top Class 4 /5 commercial finish is then obtained. <https://www.firecrunch.com.au/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 blade, **always wear a mask.**

9• Non carcinomas, see Safety Data Sheet (SDS) web site firecrunch.com.au/technical-specifications/

10• See general technical manual for screws and fixings. www.firecrunch.com.au-technical-specifications

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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 utilized 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.