



## XPR W5 (TWIN SEPARATED 75MM STUDS)

### TYPE (S) OF DRY LINING

- Stud configuration: Two separated Protektor 75mm x 50mm x 0.6mm 'C' stud at 600mm centres.
- Height: See XPR Technical literature. Tel – 0870 8030977 or 00353(0) 1 4038495.
- Thickness: (including linings): min. 200mm
- Head condition: See relevant drawings.
- Deflection allowance: See relevant drawings and specification.
- Fire resistance of complete partition assembly to BS 476:Parts 20 and 22: Integrity/insulation (minutes): **90**
- Sound insulation : **Rw 64dB**
- Framing: As recommended by the board manufacturer, Protektor steel stud fabricated from galvanised mild steel 0.6mm gauge or greater, and 50mm fixing face. Available from Protektor UK
- Lining(s): 1 layer of 12.5mm and 1 layer of 10mm Fermacell gypsum fibreboard to both sides of the metal stud. Fermacell by Xella Dry Lining Systems.
- Fixing: See relevant clause.
- Cavity insulation: 60mm Rockwool Flexi to one line of studs.
- Finishing: Fermacell Fine Surface Treatment (FST).
- Other requirements: Acoustically isolate junctions as required.

### FIXING FERMACELL TO PROTEKTOR STUDS:

- Fix securely to all supports working from the centre of each board outward to the edges using the specified method of fixing at the following maximum centres:  
Fermacell countersunk cross-slot screws 3.9 x 30mm: 250mm
- Position fixings not less than 10mm from board edges and 50mm from corners. The heads of all fixings should be sunk into the surface of the board and stopped with Fermacell joint filler.

### FIXING FERMACELL TO FERMACELL (Board to Board Fixing):

- Additional 10mm layer to be fixed to the first layer of Fermacell with Fermacell countersunk cross-slot screws 3.9 x 30mm: 250mm or diverging staples (see Fermacell Handy Guide for fixing sequence).
- Second layer of boards to be staggered from the first by a minimum of 200mm; both horizontally and vertically.

### JOINTS BETWEEN BOARDS:

- Square edged Fermacell gypsum fibreboards to be glued with Fermacell Jointstik. Joints to be a maximum 1mm wide. Any excess adhesive to be removed using a spatula once the adhesive has fully hardened in accordance with fixing instructions supplied by Xella.
- Cut edged Fermacell gypsum fibreboards to be fixed with a gap of 5-7mm between boards. This is to be filled with Fermacell joint filler in accordance with fixing instructions supplied by Xella.
- Tapered Edge Fermacell to be dry butted. Then taped and filled as per the Fermacell guidelines. Contact Xella for further details and advice.

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## FIXINGS AND FINISHINGS

### DRY LINING GENERALLY:

- Fixing, jointing and finishing materials, where not specified otherwise, to be as recommended in the Fermacell Instruction Manual. Refer also to the Protektor and Rockwool manuals.
- Handle and store materials in accordance with BS 8212, section 5. Do not use damaged boards.
- Fix boards securely and firmly to suitably prepared and accurately levelled backgrounds.

### PROTEKTOR METAL STUD FRAMING:

- Install using XPR components, accessories and methods recommended by XPR.
- Set out floor/head 'U' sections with mineral fibre or self-adhesive sealing/isolation strip between studding and floor and ceiling. Fix sections securely at 600mm centres.
- Position studs cut to the appropriate length at 600mm centres.
- Accurately form openings to receive doorsets using sleeved/boxed metal studs or reinforcement kits as necessary to achieve the strength grade requirements of the framing assembly to adequately support the door.

### FINISHING OF BOARDS:

- Fermacell Fine Surface Treatment (FST) applied to face of board (including joints) once joints have been finished as per the instruction manual.
- Fermacell Fine Surface Treatment (FST) applied to face of board (including joints) using 250mm Fermacell spatula or steel float. Excess to be removed immediately using 450mm Fermacell spatula or steel float leaving finish less than 1mm deep. Once dry; surface to be lightly sanded if required.

### ROCKWOOL INSULATION TO METAL STUD PARTITIONS/LININGS:

- Fit securely with closely butted joints, leaving no gaps.
- 60 mm Rockwool Flexi. The flexible edge ensures a perfect fit with no rounding or sagging.

## GENERALLY

### SERVICE PENETRATIONS:

- The dry lining contractor must liaise with the Main Contractor and other contractors to ensure the fire resistance and other specified performance requirements are not impaired by service penetrations.
- Socket Penetrations – A minimum of 30mm Rockwool Flexi (melting point >1000°C) must be secured behind and around the socket to ensure fire integrity.

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