

DATA SHEET

STEELFRAME REINFORCEMENT FOR GLAZED UNITS WITHIN A PARTITION

INTRODUCTION

It should be remembered that partitions are classified as “non load-bearing” and as such, need to be constructed in a manner whereby the load exerted by the glazed unit is transferred from the partition to the floor slab, without effecting the overall fire and acoustic performance of the wall.

This is achieved by the use of a combination of standard XPR PROTEKTOR DIN stud, XPR PROTEKTOR Reinforced Channel, timber inserts, standard and deep flange XPR PROTEKTOR Track.

See Method of Build statement and sketch drawing on the reverse.

Any glazing will need to be designed to meet the performance requirements of the partition.

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METHOD OF BUILD

The floor and head track into which the vertical studs are to be friction fitted are secured to the floor and soffit. (Deep Flange to the head – standard to the floor). **Self Adhesive XPR PROTEKTOR Felt Strip should be attached to the base of both sections prior to fixing.**

Two cut-to-length reinforced studs should then be fitted into the floor and head track vertically either side of the proposed glazed unit. (10mm should be added to the overall width to allow for easier fitting and adjustment of the window frame). The vertical studs are held in position at the foot and head by means of Reinforced L Brackets and nuts and bolts, which are supplied as a Fixing Kit for this purpose.

The cross brace to the underside of the glazed unit is created by taking a cut-to-length piece of the reinforced stud (width of the glazed unit plus 10mm) and securing it to the vertical studs with the Fixing Kit (L Brackets/Nuts/Bolts). This section should be installed with the open mouth of the C stud facing upwards. It is this open mouth into which a piece of timber, 50mm deep, should be placed and screw fixed into position.

The head to the top of the glazed unit is created by taking a piece of standard track, cut to length (width of the glazed unit plus 410mm). At each end of this head track you will be required to measure in 200mm and cut down both flanges. Bend the cut pieces downwards to 90 degrees and friction fit over the vertical reinforced studs. Secure into position with a pop rivet.

A length of standard track should now be screw fixed to the underside of the cross brace to allow the vertical studs to be fitted.

Reinforced studs with timber inserts should now be friction fitted to the underside of the glazed unit. (For spans up to 2 metres – set out at $\frac{1}{3}$ and $\frac{2}{3}$ of the total width. For spans greater than 2 metres – set out every 25% of the total width).

Finally, the Standard PROTEKTOR DIN studs can now be friction fixed into position. **Note: It is these studs to which the boards should be screw fixed. No boards should be fixed to either the reinforced studs or floor and head channels.**

LAYOUT OF PROFILES TO FORM THE GLAZED UNIT

