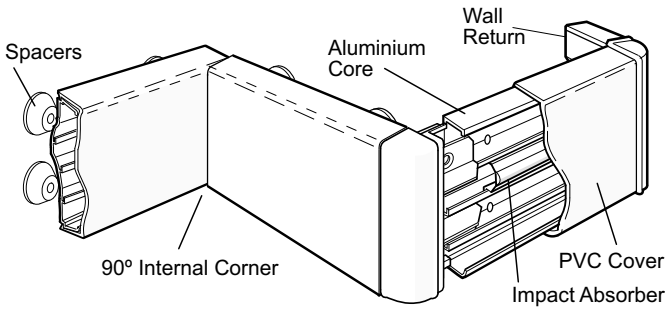
Fixing Guide
INTRAD RA2 (Option 05)

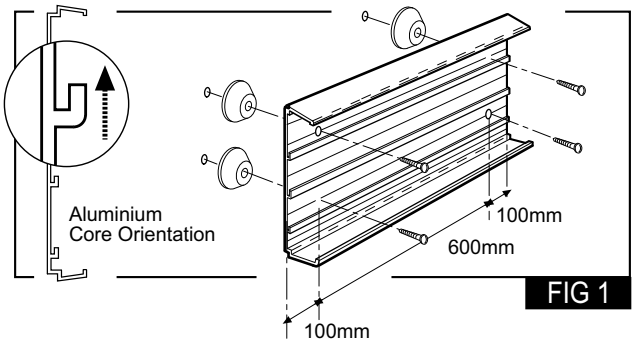
General Information

INTRAD materials should be stored flat and protected against damage. Allow 24 hours for materials to reach ambient room temperature.



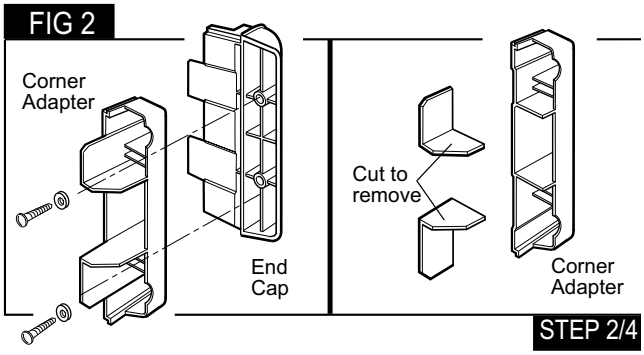
Step 1 - Cutting of Aluminium Core
Determine overall length of installed RA2 section complete with accessories.
Reduce measured length by 80mm for each End of Wall Return.
Refer Step 8 for internal corner options.

Step 2 - Drilling of Aluminium - See Fig 1
First pair of fixings to be 100mm from end of run.
Where two lengths meet, fixings are to be 100mm each side of join.
At corners, fixings to be 100mm from end of aluminium core.
All subsequent fixings to be at 600mm centres.
Use central score lines to locate fixing holes.



Step 3 - Assembling 90 degree corners - See Fig 2
Screw fix corner adapter to end cap using fixings provided.

Step 4 - Assembling End of Wall Returns
Crop corner adapter as illustrated. Ensure square cut, de-burr if required - Fig 3.
Screw fix corner adapter to end cap using fixings provided - Fig 2.



Step 5 - Drilling of wall
Use cut and drilled aluminium core as a template to mark fixing points on wall. Make allowance for all wall returns/corners.
Ensure aluminium core is the positioned correctly - Fig 1.
Drill & Plug wall.

Note: The following steps must be undertaken prior to fixing aluminium core to substrate.

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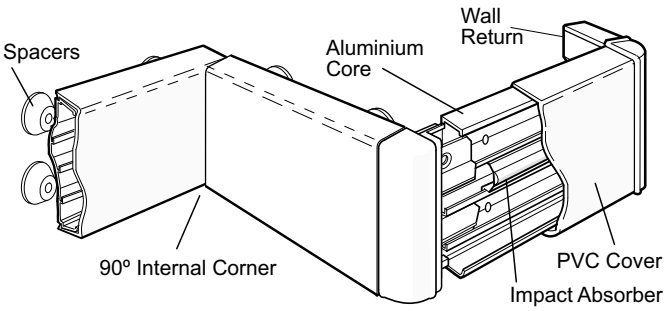
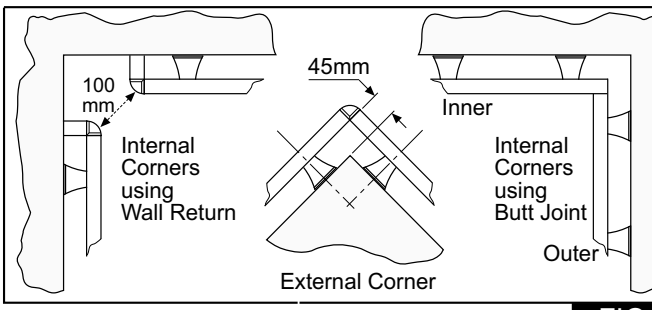


Step 6 - Installation of End Wall Return
Wall return is fixed in place using an M5 Panhead machine screw, M5 Nylock nut and M5 flat washer.
Drill through both the aluminium core rail and moulding using a 6mm HSS drill bit. Locate holes centrally in score lines.
Ensure screw heads lie flush with rear of core rail and are free from sharp edges.

Step 7 - External 90 Degree Corners
Repeat Step 6 for both sides of moulding.

Step 8 - Internal corners. Two Options are possible - See Fig 4:

8a - Wall Returns
To create Internal corner wall returns reduce the aluminium core by 240mm
Follow procedure at Step 6 for each wall return. The above will result in a clear gap of 100mm between the two installed wall returns - Fig 4.
Note: This dimension may not prove suitable for all circumstances. Individual site conditions must be assessed prior to proceeding.



FIG

8b - Butt Joints
To create butt joints reduce the aluminium core by the following:
The outer length forming the butt joint by 90mm.
The inner length forming the butt joint by 80mm.
The open end of the shorter section is plugged with a corner adapter (Follow Step 6 with regard to installation to aluminium core). The two screw holes left visible can be plugged.

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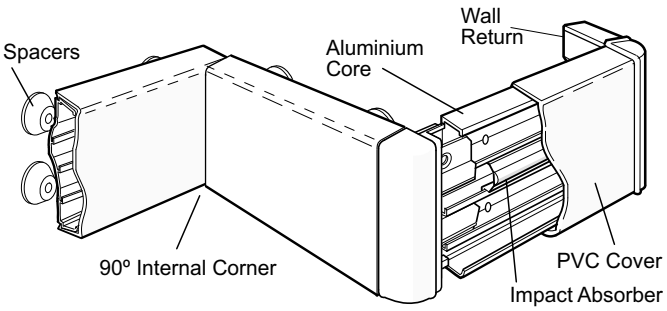
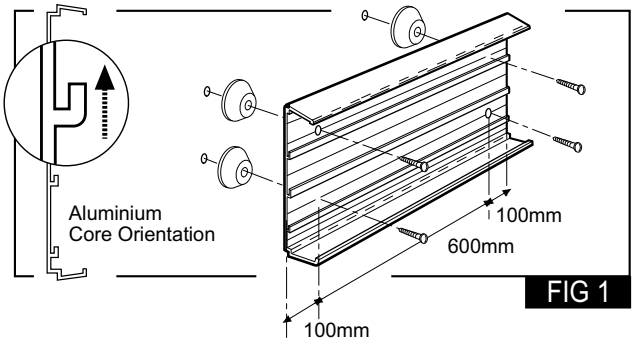
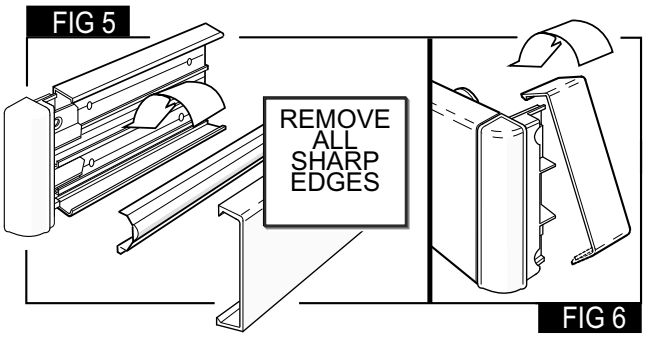


Step 9 - Installation of Aluminium Core
Pass recommended fixings through both aluminium core and conical spacers and offer up to wall - Fig 1
Loosely tighten into place ensuring all components are aligned correctly.
Fully tighten all fixings.



Step 10 - Impact absorber
Cut to size using a fine tooth saw.
Impact absorber can butt tightly against moulded ends/corners.
Place into open channel - Fig 5
Repeat above according to number of impact absorbers specified.
Ensure joints in aluminium core and impact absorber do not coincide.



Step 11 - Installation of PVC cover
Cut to length using a fine tooth saw.
Ensure ends are square and free of burr.
Snap over aluminium core rail and accessories.
Apply pressure along the complete length both top and bottom ensuring profile snaps firmly into place.

Step 12 - Completion of wall returns - See Fig 6
Cut 45mm long sections of profile ensuring they are square and free from burr.
Snap into place over wall return moulding.
Note: As even slight deviations in the wall or installation can lead to gaps appearing at this stage we suggest dimensions are checked on site prior to cutting.

The Fixings listed are those recommended by INTRAD. Should alternatives be used it is the responsibility of the installer to ensure they are of suitable specification.