



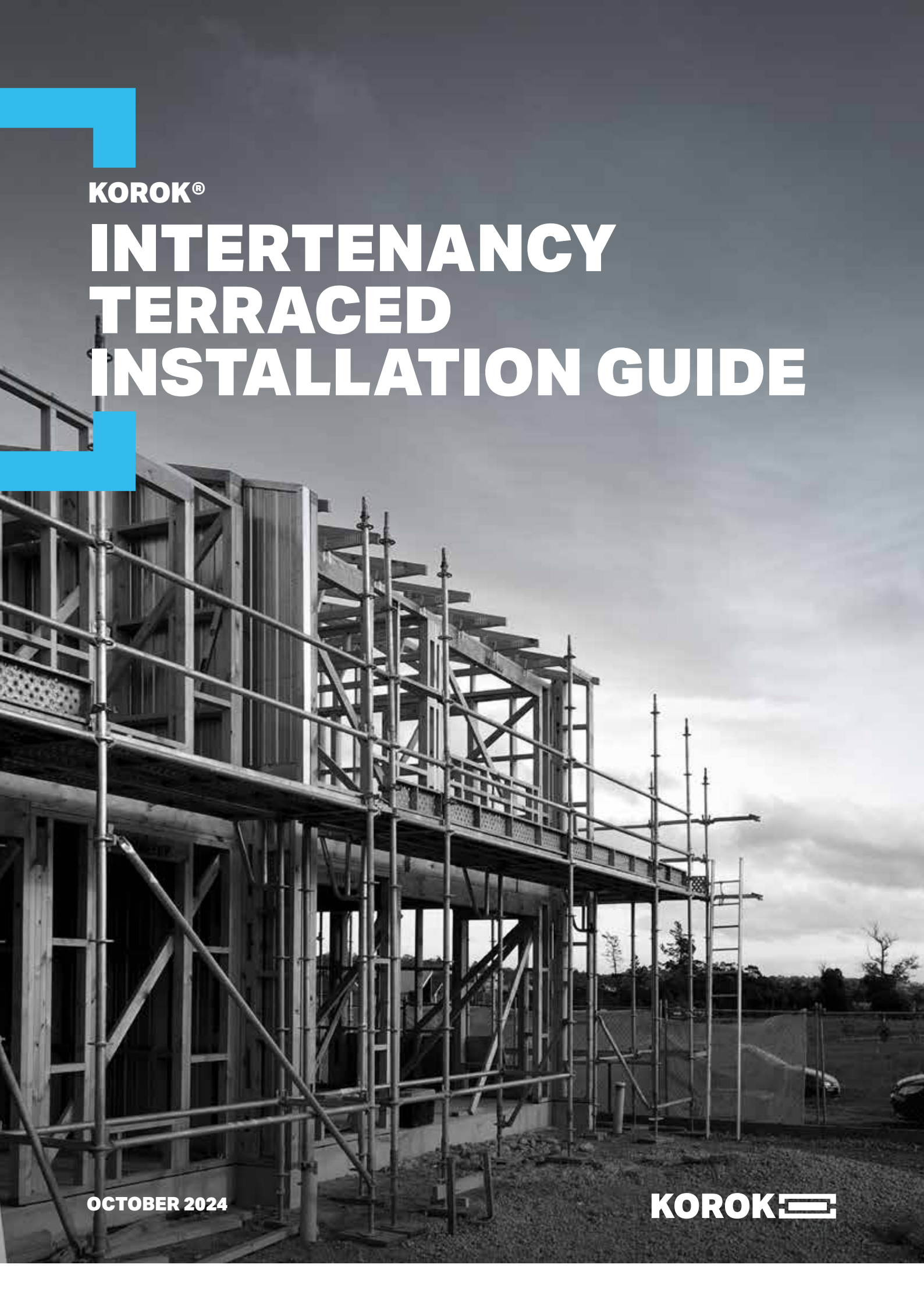
KOROK®

INTERTENANCY TERRACED INSTALLATION GUIDE



OCTOBER 2024

KOROK 



TERRACED HOUSING INTERTENANCY SYSTEMS INSTALLATION

Installation of the KOROK® Intertency Systems requires the attachment of the KOROK® panels to framing members using KOROK® aluminium brackets. The framing is set out to allow for the required clearances on both sides of the KOROK® Intertency wall.

After the framing on one side of the KOROK® Intertency wall is completed, the KOROK® Intertency wall is installed and attached with KOROK® aluminium brackets.

1 Place a bead of fire rated sealant between the floor and C-track on the centre line of the KOROK® wall position.

Refer the KOROK® Components Summary for approved sealants (page 11).

2 Fix the C-track at maximum centres of 400mm with approved anchors. Place fire rated sealant in the internal corner of the C-track.

When setting out the C-track ensure there is enough clearance from the wall frame giving consideration to any KOROK® KIT flashings.

If the surrounding surface is uneven or if you are not sure you have a good seal, add another bead of fire rated sealant along the C-track floor junction.

Refer the KOROK® Components Summary for approved anchors (page 11).

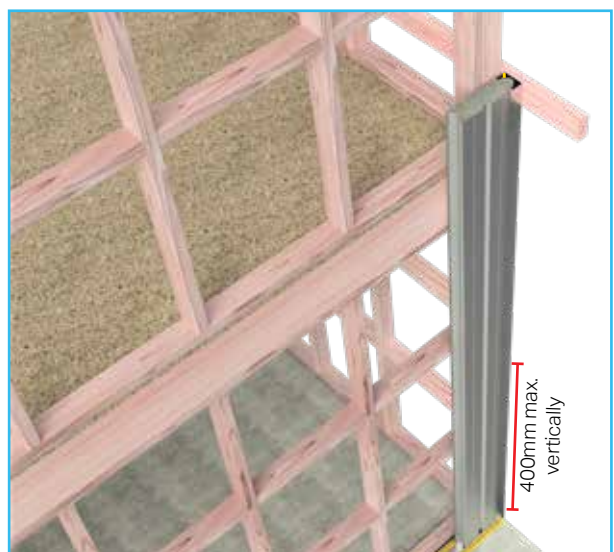
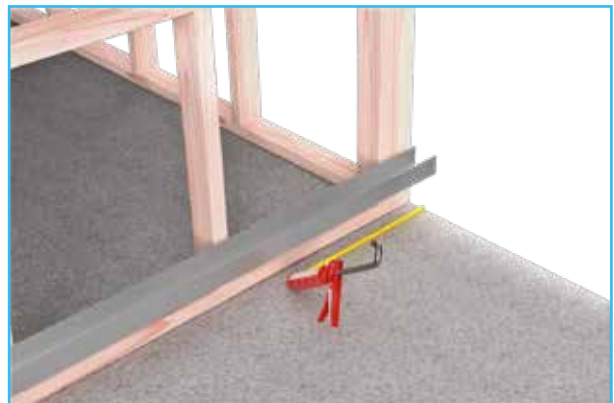
3 Fix a C-track to the outside of the first panel using KPS Wafer 10-16x16 screws at 400mm centres one side, prior to installing. Place fire rated sealant in the internal corner of the vertical C-track.

You may brace the C-track temporarily by screwing timber blocks to the frame to assist with setting the first panel flush and plumb.

Place the first panel vertically into the floor C-track. The first panel is to be flush to the outside of the framing.

When the framing on the second side is completed the KOROK® aluminium brackets are installed on that side. The sequence of construction must be planned to accommodate the progressive erection of the KOROK® panels.

The KOROK® panels can also be installed after both the wall frames have already been erected. However, this will not be as efficient.



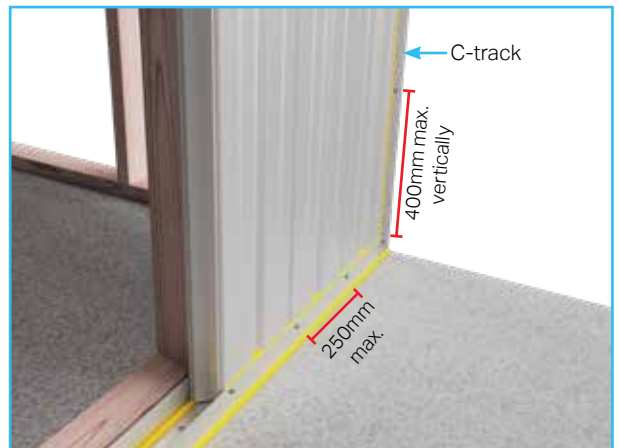
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4 Continue placing panels into position, ensuring the tongue and groove are fully locked.



5 Screw off the bottom C-track with KPS Wafer 10-16x16 screws at 250mm centres one side.



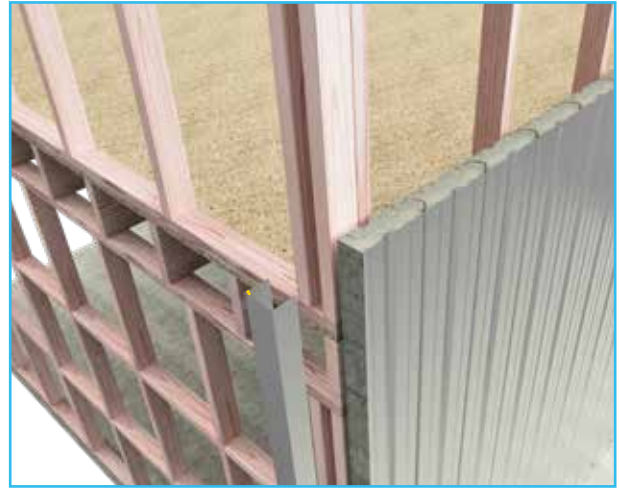
6 After every second panel is installed, fix the KOROK® aluminium brackets into the panel joint using 2 each Hex Head Type 17 14g x 35mm screws, and into the framing using 1 each Hex Head Type 17 14g x 35mm screws at no more than 3.0 metres above floor level. KOROK® aluminium brackets can be located in the studs, plates or the noggins.

If a stud is in the way of the panel joint, install the KOROK® aluminium bracket to the panel face nearest the joint. KOROK® aluminium brackets have a maximum horizontal spacing of 600 mm.

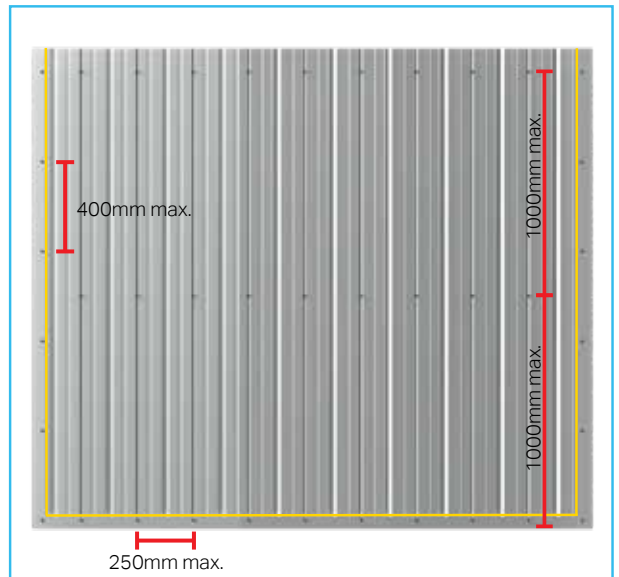


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7 Cut the last panel to fit the wall length and place C-track on the cut panel and screw off with KPS Wafer 10-16x16 screws at 400mm centres one side. Place fire rated sealant in the internal corner of the vertical C-track. Screw off the bottom C-track with KPS Wafer 10-16x16 screws at 250mm centres one side.



8 Ensure the wall is screwed off at each panel joint on one side at 1000mm centres vertically with KPS Wafer 10-16x16 screws. The horizontal bottom C-track are screwed off to the KOROK® panel with KPS Wafer 10-16x16 screws at 250mm centres one side. Ensure all C-track/panel junctions have been sealed with fire rated sealant.



9 Place a bead of fire rated sealant into the internal corner of the C-track. Fit the C-track to the top of the panels hard down and screw to panels with KPS Wafer 10-16x16 screws at 250 mm centres one side.

Fix the remaining rows of KOROK® aluminium brackets to the frame and panel joint at 500 mm horizontal centres and 3.0 metres vertically into the panel.

If a stud is in the way of the panel joint, install the KOROK® aluminium bracket to the panel face nearest the joint. KOROK® aluminium brackets have a maximum horizontal spacing of 600 mm.

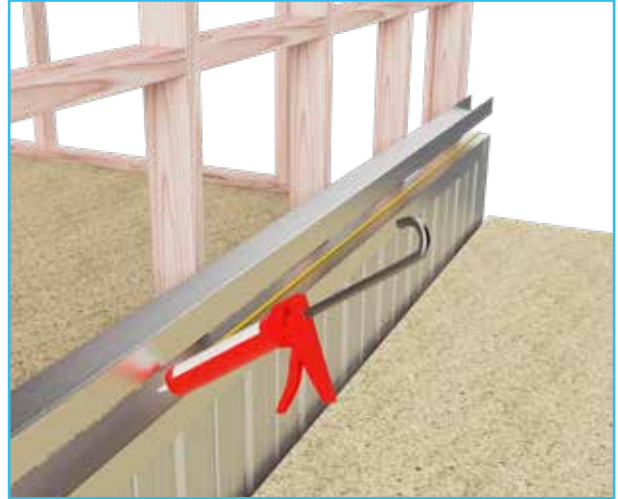
There must be a row of KOROK® aluminium brackets within 1500 mm of any mid-wall horizontal joint.



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10 Place a bead of fire rated sealant on top of the C-track.

Place the second C-track directly on top and fix with Hex Head SDS 14g x 22mm screws at 400mm centres.



11 Place bead of fire sealant into the internal corner of the top C-track.

Cut the KOROK® panels to rake and height so the panels finish flush with the truss top chord.



12 Fix the vertical C-track to the first panel using KPS Wafer 10-16x16 screws at 400mm centres one side, prior to installing. Place fire rated sealant in the internal corner of the vertical C-track.

Place the first two panels in position and fix with a KOROK® aluminium bracket no more than 3.0 metres vertically from the previous row of brackets.

You may use a temporary brace.



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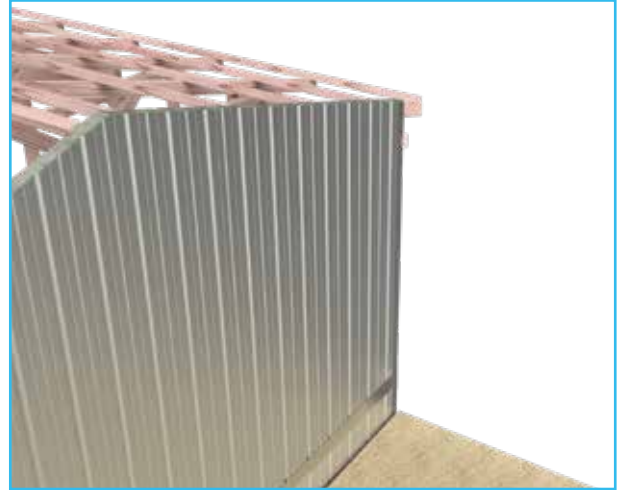
13 Continue placing the KOROK® panels.

As you progress, fix the panels to the framing with KOROK® aluminium brackets at 500mm horizontal centres into the panel joints and no more than 3.0 metres vertically from the previous row of KOROK® aluminium brackets.

If a stud is in the way of the panel joint, install the KOROK® aluminium bracket to the panel face nearest the joint. KOROK® aluminium brackets have a maximum horizontal spacing of 600 mm.

Fix the vertical C-track to the last KOROK® panel using KPS Wafer 10-16x16 screws at 400mm centres one side. Place fire rated sealant in the internal corner of the vertical C-track.

Screw off the bottom C-track with KPS Wafer 10-16x16 screws at 250mm centres one side.

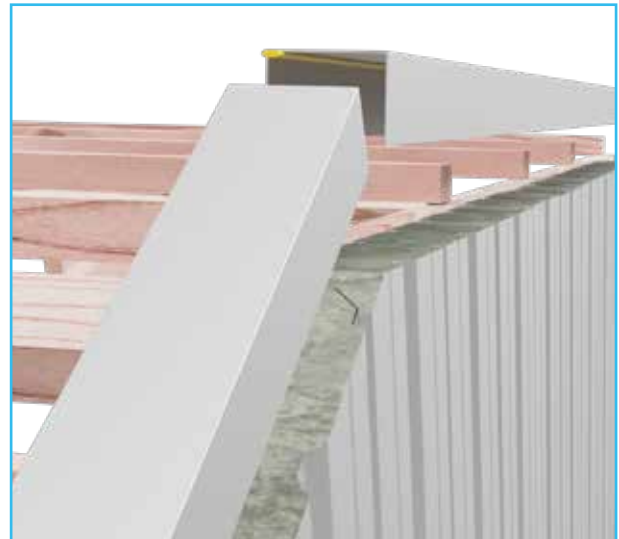


14 Place a bead of fire sealant into the internal corner of the top C-track.

Place the top C-track hard down on top of KOROK® panels and fix off with KPS Wafer 10-16x16 screws at 250mm centres one side.

Fix the KOROK® aluminium brackets to timber framing and panels at 500mm horizontal centres with Hex Head Type 17 14g x 35mm screws. Ensure wall is straight and true.

Ensure all C-track/panel junctions have been sealed with fire rated sealant.



HEAD TRACK PROTECTION

Check if the system you are installing requires head track protection. This applies to KIT 51mm 60/60/60 and KIT 78mm, 120/120/120 systems.

15 Install a KOROK® Fire flashing at the top C-track. The KOROK® Fire flashing is fixed to the panels at 250mm centres using KPS Wafer 10-16x16 screws.

Place a bead of fire sealant around the perimeter of the KOROK® Fire flashing and over any joints.



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16 Install a KOROK® KIT flashing over the mid-wall joint fixed at 250mm centres top and bottom using KPS Wafer 10-16x16 screws.

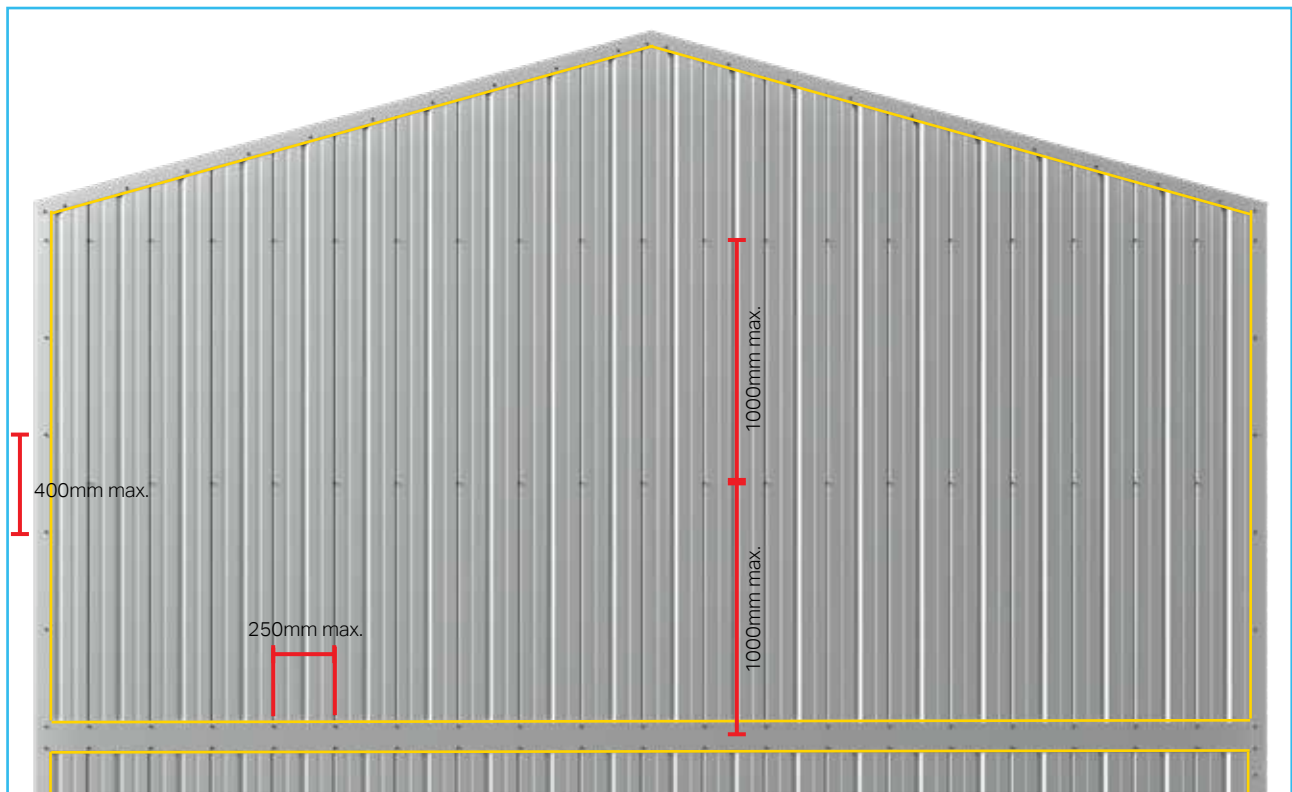
Apply a bead of fire sealant along both flashing edges.

This applies to KIT 51mm 60/60/60 and KIT 78mm 120/120/120 systems.



17 Ensure the wall is screwed off at each panel joint on one side at 1000mm centres vertically with KPS Wafer 10-16x16 screws. The horizontal bottom and mid-wall C-track is screwed off to the KOROK® panel with KPS Wafer 10-16x16 screws at 250mm centres one side.

Ensure all C-track/panel junctions have been sealed with fire rated sealant.



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SCREW PLACEMENT WALL PANELS

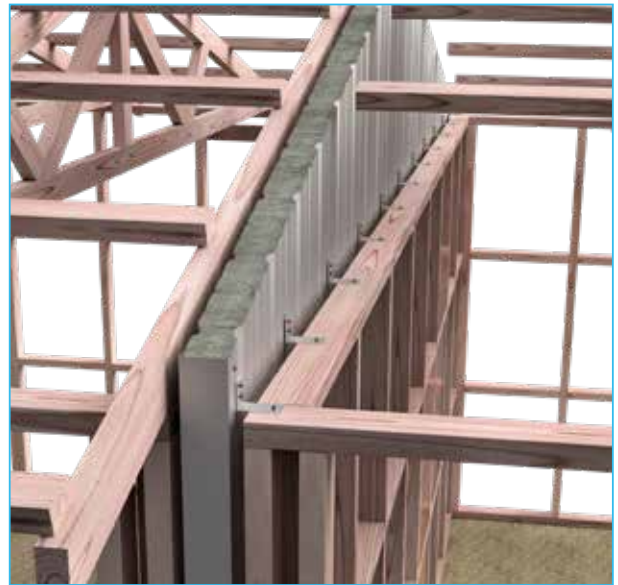
Panels are fixed together at every panel joint at the vertical centres.

Panel Thickness (mm)	Panel Orientation	Max. Wall Height (m)	Panel to Panel Max. Centres (mm)	Sides	KOROK® Wall System or similar	Notes:
51	Vertical	12	1000	One	KIT01 to KIT05	10g - 16 x 16mm Wafer Tek
78	Vertical	14	1000	One	KIT06 to KIT10	10g - 16 x 16mm Wafer Tek

18 Once the framing on the second side is completed, fix KOROK® aluminium brackets into the panel joints at 500mm horizontal centres and a maximum of 3.0 metre centres vertically.

If a stud is in the way of the panel joint, install the KOROK® aluminium bracket to the panel face nearest the joint. KOROK® aluminium brackets have a maximum horizontal spacing of 600 mm.

Ensure all KOROK® aluminium brackets are in place **both sides** and fixed correctly.



19 Friction fit mineral wool or ceramic fibre (minimum density 60kg/m³) into the void to cover the width of the wall.



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20 Once the top chord on the second side is completed, fix KOROK® aluminium brackets into the panel joints at 500mm horizontal centres and a maximum of 3.0 metre centres vertically.

If a stud is in the way of the panel joint, install the KOROK® aluminium bracket to the panel face nearest the joint. KOROK® aluminium brackets have a maximum horizontal spacing of 600 mm.



FINAL CHECK

At the completion of the job and at the finish of each day's work, it is essential that the completed area be thoroughly cleaned of all swarf, rivet stems, nails, drillings and screws etc. normally associated with the installation of metal KOROK® panels. Remove any remaining strippable film, check all fixings are correctly installed, all fire and acoustic sealant is applied correctly.

KOROK® FASTENERS SPACING













Use	KOROK® Wall System or similar	Panel Thickness (mm)	Panel Orientation	Maximum Wall Height (m)	Maximum Vertical Span	Panel to Panel Maximum centres (mm)	Sides	KPS Wafer screw	Panel Perpendicular to C-track (mm)	Panel Face or Joint	Sides of C-track	KPS Wafer screw	Notes:
Intertency - Terraced Housing	KIT01 to KIT5	51	Vertical	12 m	3m between KOROK® aluminium brackets	1000	One	10-16	250	Face	One	10-16	See flashing details for FRR
Intertency - Terraced Housing	KIT06 to KIT10	78	Vertical	14 m	3m between KOROK® aluminium brackets	1000	One	10-16	250	Face	One	10-16	See flashing details for FRR

NOTES

- For C-track running parallel to the panels, 10g x 16mm KPS Wafer screw fixings at 400mm centres are used one side.

KOROK® COMPONENTS SUMMARY

Product Image	Item Description
	PN1159 KOROK® C-track 60 x 51 x 60 mm 1.15B.M.T.
	PN1140 KOROK® C-track 60 x 80 x 60 mm 1.15B.M.T.
	PN1158 KOROK® J-track 70 x 51 x 60 mm 1.15B.M.T.
	PN1309 KOROK® J-track 70 x 80 x 60 mm 1.15B.M.T.
	PN1122 KOROK® panel 51 mm wide 600 kg/m ³ density
	PN1130 (Colour) KOROK® panel 78 mm wide 400 kg/m ³ density
	PN1318 (Galv) KOROK® GEN 2 panel 78 mm wide 400 kg/m ³ density
	PN1185 Hilti DBZ 6/4.5 x 32 mm
	PN1190 6.5 x 32 Rawl Mushroom spikes
	PN1170 KPS Wafer 10-16x16 Class 3
	PN1171 KPS Wafer 10-16x30 Class 3

Product Image	Item Description
	PN1174 Hex Head SDS 14g x 22mm
	PN1198 Hex Head Type 17 14g x 35mm
	PNAB10 Aluminium bracket 75 x 50 x 40 x 3mm
	PN1157 KOROK MS Fire Seal
	PN1161 KOROK Acrylic Fire Seal
	PN1165 Sikaflex-400 Fire Rated Sealant
	PN1160 Hilti CP606
	PN1235 KOROK® KIT flashing
	PN1226, PN1227, PN1228 KOROK® fire flashing
	PN1150, PN1151, PN1152 KOROK® Angle
	PN1344 Hilti HUS3-P 6 Concrete screw anchor
	PN1343 Hilti HUS3-H 6 Concrete screw anchor



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