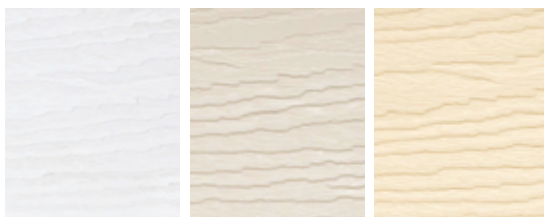
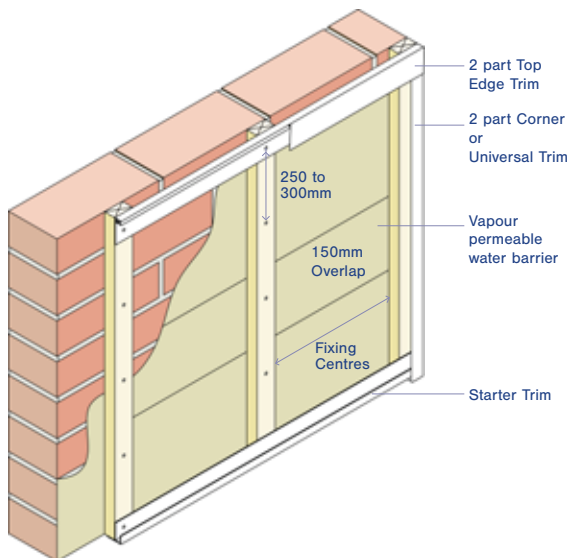


Kavex Textured Cladding Installations



Batten Installation - Kavex Only



White - W Cream - 9001 Sand - 1015



Light Blue - X002 Light Grey - 7035

For Kavex textured cladding, standard fitting instructions can be followed. However, due to the differing sizes and colours available in the Kavex range, slightly modified batten fixings are required. Where required, ensure breather membrane is positioned beneath the batten system against the substrate.

Battens

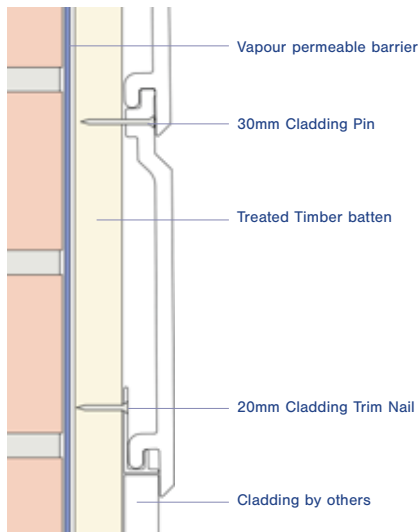
- Set out and fix 25mm x 38mm tannalised battens vertically.
- Ensure battens are parallel straight and level.
- Fix battens to the substrate at 300mm maximum centres. (600mm for 150mm single planks)
- Fix a tannalised batten along the top of the installation.
- No batten is needed along the base of the cladding system because it relies on this opening to dispel excess moisture and to be used as a point of ventilation.

Battens

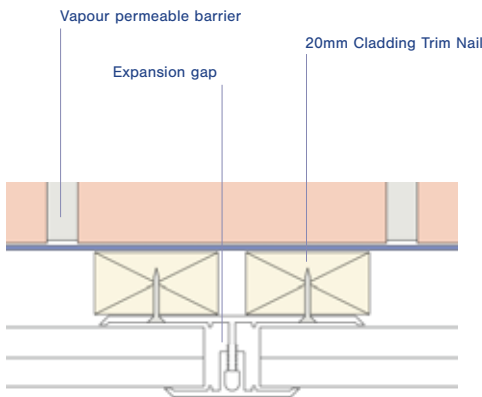
- Fix the starter trim to the battens at the base of the installation with 20mm A4 stainless steel nails.
- The starter trim is designed to locate the first cladding plank.
- Measure and cut to size the vertical universal trim or corner trim notch out at the rear of the trim.
- Ensure that the trim is straight and plumb and fix onto batten with A4 20mm stainless steel fixings at 250mm-300mm intervals.
- Trims are designed to take up expansion - ensure a 5mm gap between board edges/ends and trim stops for White cladding and 8mm for RAL9001, RAL1015, RAL7035 and X002.
- Note there are two part versions of the vertical trims for use with horizontal and vertical cladding applications.
- Measure, cut and fix the top edge trim male extrusion to the top of the installation between the two vertical trims. Ensure you notch out the rear of the vertical trim to accommodate the male top edge extrusion.
- The installation is now ready to accept the first cladding plank.
- Measure first cladding plank ensuring that there is the correct gap left on either end of the plank for expansion.
- Before fixing plank locate groove section of the cladding plank into the location lip of the starter trim.
- Ensure plank is straight and level using a spirit level.
- Fix plank to each batten centre using A4 30mm stainless steel nails or 8 -gauge x 30mm stainless steel countersunk headed screws.
- Ensure fixings pass through nail/screw guideline groove as the boards are a concealed fix.
- Locate second board, ensure groove of second board covers the tongue of the first board fully as not to show nail/screw heads.
- Follow this procedure until you reach the top of the installation, ensuring that each board is located properly.
- Ensure the installation is checked for level every three boards.
- Measure width of last board.
- Cut down last board and use the off cut tongue of the board as packing material. This will be spot glued (Cynoacrylate adhesive) to the back of the last cladding plank and then nailed through into the top batten once located.
- Locate top cladding plank & fix through plank into top batten.
- Cut and snap on female part of trims to the vertical male extrusion ensuring that the trim finishes at the top of the installation.
- Measure cut and snap on the top edge trim ensuring that the trim is fixed between the two vertical trims.

Kavex Textured Cladding Installations

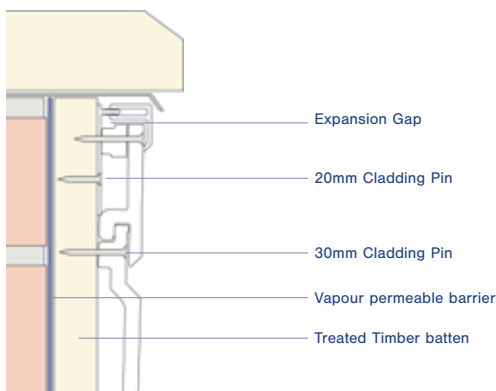
Wall Starter Trim Installation - Kavex Only



2pt Centre Joint Trim Installation - Kavex Only



2pt Universal Trim Installation - Kavex Only



Vertical cladding

The same preliminary work as a horizontal cladding application will need to be completed before cladding can commence.

Preliminary work

- Secondary waterproofing membrane.
- Batten orientation and spacing.
- Battens to be installed horizontally for a vertical cladding application.
- A top batten and bottom batten are required.

Method

- Fix battens at the correct 300mm centres. (600mm for single planks)
- Pack out battens where necessary to ensure they sit straight & level.
- Measure, cut and fix drip trim to base of installation to act as a first location for the cladding plank.
- It is important to use two part trims on a vertical cladding application.
- Measure, cut and fix universal trim male extrusion to vertical edges of installation (flat section panel application).
- Measure, cut and fix universal trim to top of cladding installation.
- Measure and cut first cladding plank ensuring that there is 5 / 8mm removed from each end of the plank for expansion.
- Fix first plank with A4 30mm stainless steel nails or A4 - 8 gauge x 30mm A4 stainless steel screws ensuring that the plank sits neatly inside the vertical end trim to start the cladding line. The female part of the trim when snapped on will locate the groove intersection of the cladding board. It is advisable to nail through the base of the board to hold it in position, then snap on the trim female part to hide the fixings.
- Ensure the cladding board is plumb using a spirit level.
- Nail/screw the first board through the nail/screw groove guide lines on the board at every batten centre.
- The boards are a concealed fix so ensure the nail/screw heads are flush with board and through the nail/screw groove guide.
- Work from left to right of the installation and measure cut and fix each board in turn.
- The boards should be checked for plumb every three boards.
- Also check that each board is located properly.
- Measure and cut the last board allowing for the correct expansion gap & engage it into the trim. The tongue of the board will be used as a packing piece to ensure the board is fixed securely into the trim.
- Cut and spot glue the tongue of the board (Cynocrylate adhesive) to the rear of this last board.
- Fix the board with A4 grade 30mm stainless steel nails or A4 - 8 gauge x 30mm stainless steel screws through the face beneath where the finishing trim is being located.
- Measure, cut and snap-on vertical trims.
- Measure, cut and snap-on the horizontal top edge trim to finish installation.

Diagonal cladding

The same preliminary work & installation techniques as a horizontal cladding installation will need to be observed with a few differences.

Method

- Reduce batten centres to 210mm.(450mm for 150mm single planks).
- Measure, cut and fix drip trim or universal trim to base of installation to act as a first location for the cladding plank.
- Use 2-part Centre Joint Trim fixed on twin battens if cladding is to be mirrored.
- Use first plank as a template to mark out second plank and so on.

Kavex Textured Cladding System



Fixing Summary - Kavex Textured Cladding

Fixing Details		
Batten fixings	into masonry: into steel: into timber:	Hammer screws Self-tapping screws Plated woodscrews.
Cladding fixings	30mm stainless steel Cladding Pins.	SS-30-CP
Trim fixings	20mm stainless steel Nails.	SS-20-CN
Breather membrane		To be positioned behind the batten system against the substrate.

If Fixing Insulation Behind Important Points Which Must Always Be Observed:

- Ensure cladding batten system is fully supported cladding system
- Fix at recommended fixing centres
- Always detail a suitable secondary waterproofing material (EXAMPLE: Vapour permeable breather membrane to maintain a watertight structure
- The membrane should be positioned on the external face of the insulation between the insulation and the cladding
- Maintain the correct statutory airspace behind the cladding system

Area Calculations

Cladding:	Product Code:	5m Lengths Required Per Square Metre:	Coverage Per Linear Metre:
Textured Open V Joint Cladding	SVE/150	1.4	0.15m ²
Textured Shiplap Cladding - 150mm	DCE/150	1.4	0.15m ²
Textured Shiplap Cladding - 300mm	DCE/300	0.7	0.3m ²
Textured Feather Edge Cladding	DFE/270	0.75	0.27m ²

Fixing Centres

Cladding:	Product Code:	Batten / Fixing Centre:	Product Code:
Kavex Textured Single Plank	SVE/150 & DCE/150	1 per fixing centre, max 600mm centres	SS-30-CP
Kavex Textured Double Plank	DFE/270 & DCE/300	1 per fixing centre, max 300mm centres	SS-30-CP

All fixings to be A4 marine grade, austenitic stainless steel (grade A4 BS EN ISO 3506-1 : 2009).

General

Battens	Kavex	Minimum 25mm x 38mm
Ventilation	Kavex	Allow a minimum of 25mm ventilated air space behind the back of all cladding installations
Expansion Gap	White Foils & Colours	5mm per board end 8mm per board end
Joint Fixing		Low modulus neutral cure silicone BS5889 Type A
Installation Temperature		To be installed between 5°C & 25°C temperatures

Fire Rating

	Finish	Thickness (mm)	Class
BS476 Part 7	White / Coloured	7mm	2Y
EUROCLASS BS EN 13823 & BS EN ISO 11925-2	White / Coloured	7mm	D-s3, d2



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