



RESIDENTIAL INSTALLATION OVERVIEW

ZX® Panel QUICK-START GUIDES / An overview of how to install the ZX® Panel cladding system.





ZX® Panel QUICK-START GUIDES

An overview of how to install the ZX® Panel cladding system.

ZX® Panel Cladding System is a reliable, affordable and easy to install external cladding system. Lightweight and recyclable, it provides a modern design aesthetic and when combined with the simple maintenance requirements delivers a cladding system that does not crack or warp.

The ZX® Panel Cladding System may be easily ordered on-line or from an authorized supplier.

New Zealand Made trademark. NZpat.Appln. Nos.740181/744733 NZDes.Appln. Nos.424123-32/424774-76

Design Registrations Worldwide.

BENEFITS

- ❖ **No painting required as ZX® Panel comes powder-coated**
- ❖ **Up to 400 colour combinations**
- ❖ **You can mix and match colours**
- ❖ **ZX® Panel is very cost effective**
- ❖ **Lightweight**
- ❖ **Recyclable**
- ❖ **Non-combustible**
- ❖ **Quick to install**
- ❖ **15 year paint and product warranty**

SCOPE

The ZX® Panel Cladding System is a low maintenance, non-combustible, weathertight, external, cavity based cladding system. Manufactured from aluminium, it comprises a powder coated, 2mm thick panel that is clipped into engineered aluminium extrusions. Panels are secured with glazing wedges.

Panels are available in up to 400 colour combinations and are supplied in 1200mm x 2400mm sheets that may be cut on-site as necessary.

It is suitable for use on all buildings up to 10m in building height or up to 2.5kPa ULS where specifically engineered. The system may be used with steel or timber framing or concrete panels with timber infill that comply with the NZ Building Code. It must always be installed over a cavity. Its non-combustibility means that it may be installed on buildings located within 1m of a relevant boundary.

Where the ZX® Panel Cladding System is to be used on an existing building, the designer and installer must ensure that the existing building is suitable for the intended installation of the ZX® Panel Cladding System.

INSTALLERS/SPECIFIERS

Whilst installation of the ZX® Panel Cladding System is simple, installers should ensure they have reviewed all installation documentation prior to installing the system. This will ensure an installation that looks good and performs.

Panels should be covered and stored flat on a smooth surface, to prevent scratching. Edges should be protected to prevent chipping. It is strongly recommended that all components of the ZX® Panel Cladding System be stored under cover prior to installation. The 3M flashing tape must always be stored under cover.

When receiving delivery of the ZX® Panel Cladding System check that the delivery order is complete and that none of the components have been damaged in transit. If damage has occurred please refer to our website zxpanel.com under terms and conditions section 12 C) and D).

Always ensure your safety and the safety of others. Refer to The Absolutely Essential Health & Safety Guide and Worksafe New Zealand Quick Guide. These are available www.worksafe.govt.nz

COMPLIANCE

Compliance with the relevant building code clauses has been established by independent testing.

The ZX® Panel Cladding System has been tested to E2/VM1 and NZS/AS 4284. All screws have been subject to pull testing and engineered calculations. Powder coating of the aluminium is applied and tested to perform according to internationally recognized specifications, including AS3715 and WANZ Endurocolour.

UNLINED INTERNAL WALLS

If the walls of the building are going to remain unlined (e.g. garage walls or gable ends), a ridged air barrier board must be installed directly to the framing instead of a flexible underlay.

TIPS FOR BUILDING OWNERS

Maintenance is simply a gentle clean with a soft brush and mild detergent followed by a fresh water rinse.

The frequency of maintenance will depend on proximity to the coast or to industrial pollution.

Within 50m of breaking surf or industrial pollution we recommend a monthly wash down.

50m - 100m from breaking surf, 3 monthly wash down, >100m from breaking surf, 6 monthly washing.

We offer a 15-year warranty on the ZX® Panel product and powder coating.

WHERE TO GO FOR MORE HELP

For more information about this innovative product, please visit zxpanel.com

zxpanel.com

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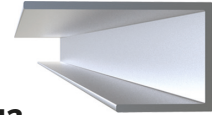
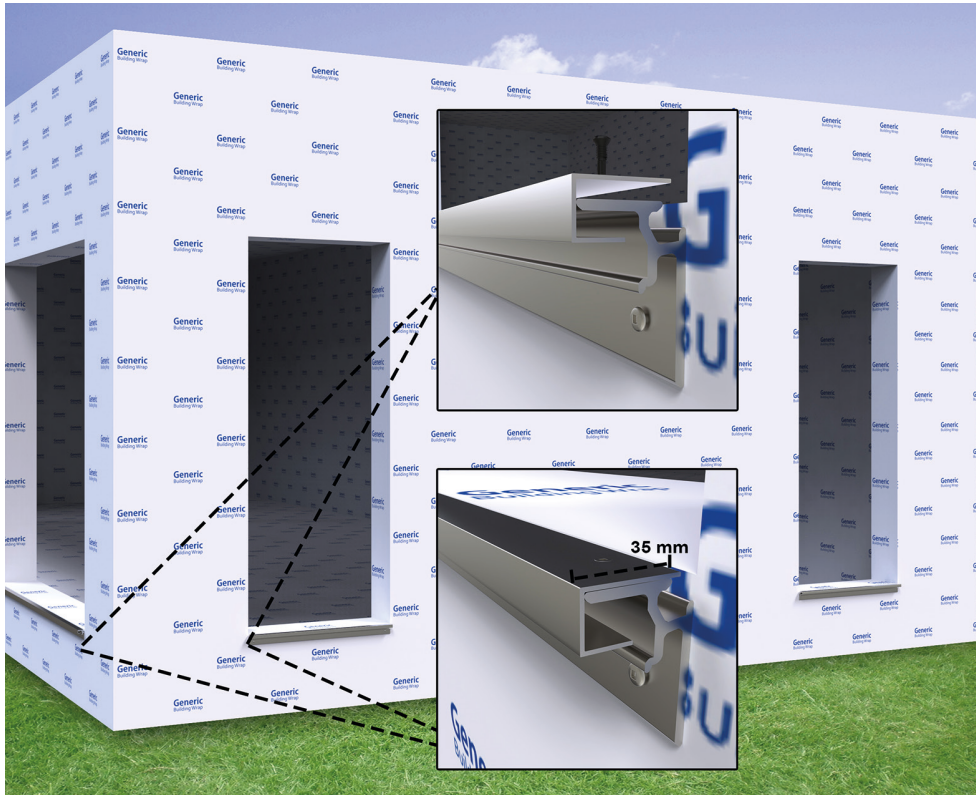
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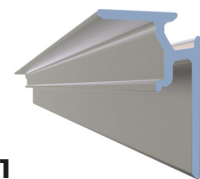
1.

Screw fit WANZ Bar on bottom of windows with ZX-24 screws at no greater than 600mm centres.

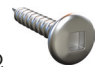
Attach ZX-212 on WANZ Bar with a 35mm gap between the ridged underlay or flexible building wrap and the front of the ZX-212. Attach with ZX-25 screws no greater than 600mm centres.



ZX-212
J-Mould (WANZ Base
Sill Cap) x 5.4M – Mill Finish



ZX-221
WANZ Bar E14081 x 5.0M
– Mill Finish



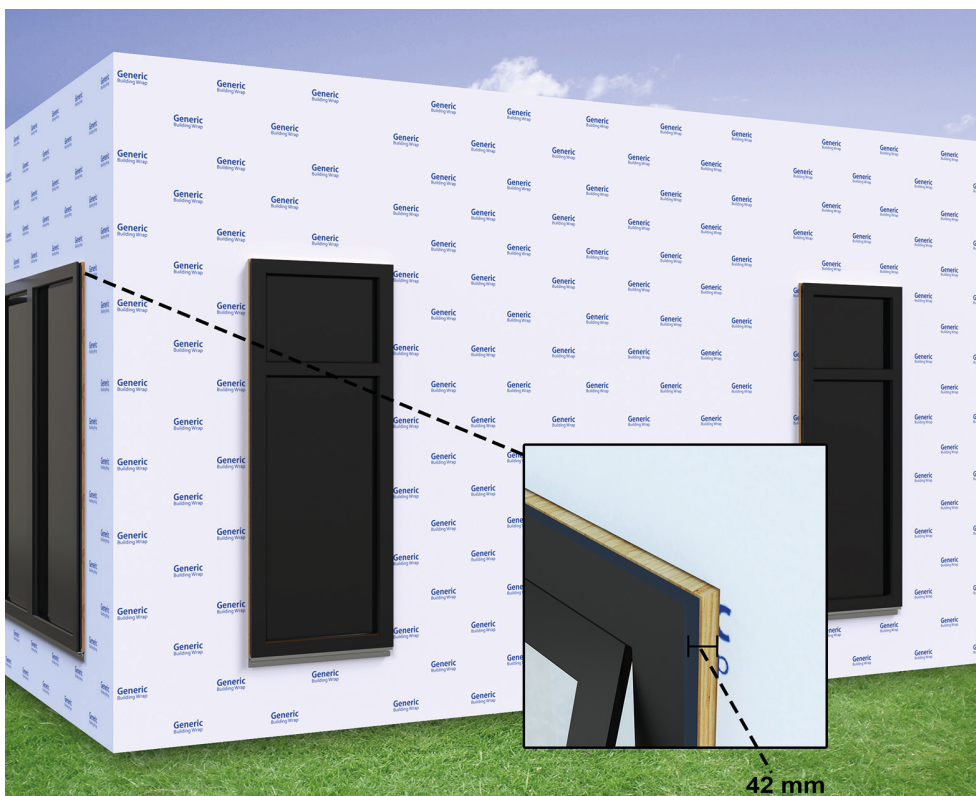
ZX-24
M10 x 45mm FH SQ
Tek Screws T410 Hardened
– 1000 per Box



ZX-25
(FSM411) M4 X 11
CSQ SQS/Drill S/S
BLK Screws – 1000 per Pack

2.

Install windows with a 42mm gap between the ridged underlay or flexible building wrap and the back of the window fin.



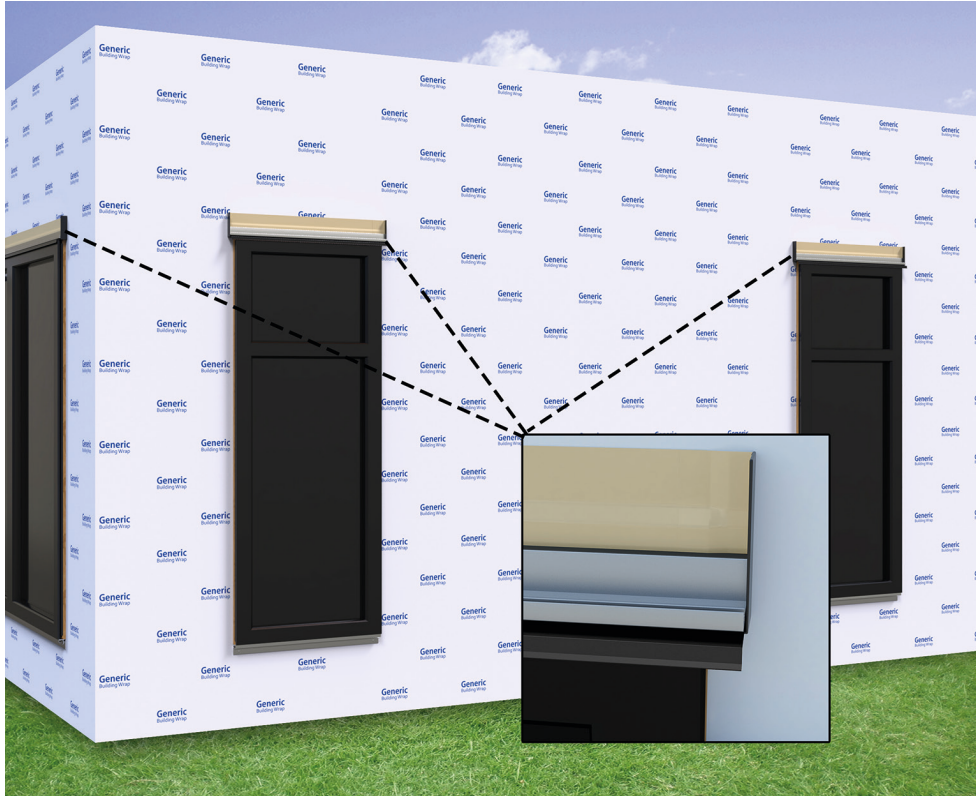


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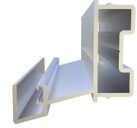
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3.

Screw fit ZX-228 Flashing Head on top of window at 450mm centres. Install ZX-23 window Flashing End Caps.
Install ZX-20 3M Tape to top of ZX-228.
Clip ZX-227 Flashing Head Batten into ZX-228 Flashing Head.



ZX-227
Flashing Head
Batten x 5.4M



ZX-228
Flashing Head
x 5.4M



ZX-20
3M 8067 All Weather
Flashing Tape x 22.8 Metre



ZX-23
Window Flashing End Cap
- 25 Parts (L & R)



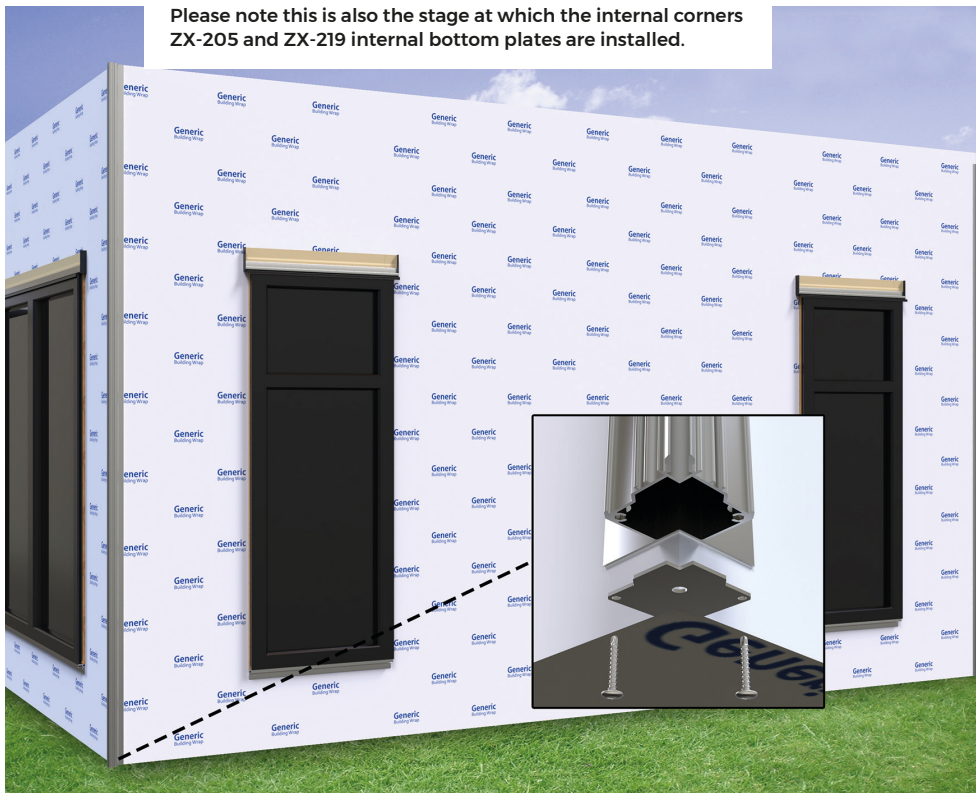
ZX-24
M10 x 45mm FH SQ
Tek Screws T410
Hardened - 1000 per Box



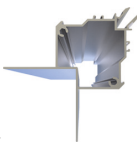
4.

Install ZX-218 to bottom of ZX-203.
Install ZX-203 External Corner Base. Screw fit to external corners with ZX-24 screws at 450mm centres.

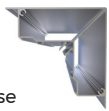
Please note this is also the stage at which the internal corners
ZX-205 and ZX-219 internal bottom plates are installed.



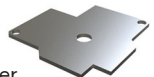
ZX-203
External Corner
Base x 5.4M - Mill Finish



ZX-205
Internal Corner Base
90 Deg x 5.4M - Mill Finish



ZX-218
External Corner
Bottom Plate - Mill Finish



ZX-219
Internal Corner
Bottom Plate - Mill Finish



ZX-24
M10 x 45mm FH SQ
Tek Screws T410 Hardened
- 1000 per Box



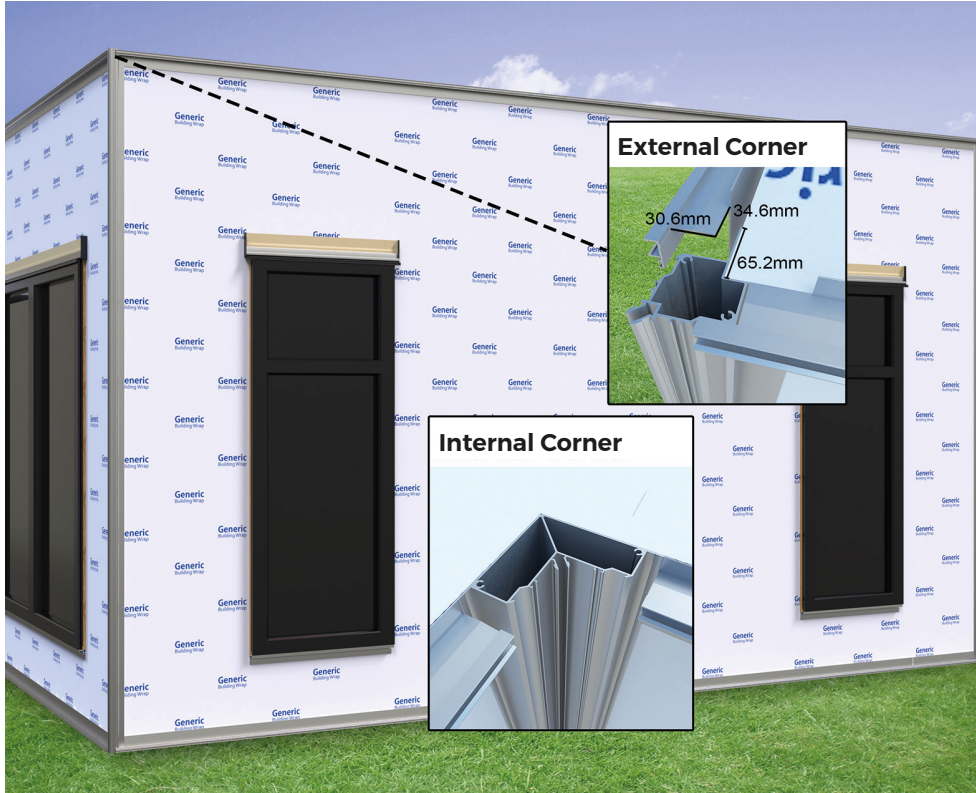


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5.

Install ZX-201 Lower and Top Base with ZX-24 screws at 450mm centres. Make sure you cut to fit into the ZX-203 External Corner Base as shown.



ZX-201
Lower and Top
Base x 5.4M – Mill Finish

ZX-24
M10 x 45mm FH SQ
Tek Screws T410 Hardened
– 1000 per Box

6.

Install ZX-211 Batten Base receiver next to windows and doors first, then screw fit with ZX-24 at 600mm centres.



ZX-211
Batten Base Receiver
x 5.4M – Mill Finish

ZX-24
M10 x 45mm FH SQ
Tek Screws T410 Hardened
– 1000 per Box

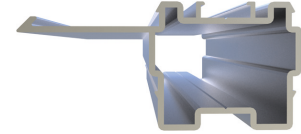


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7.

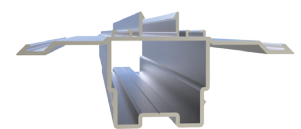
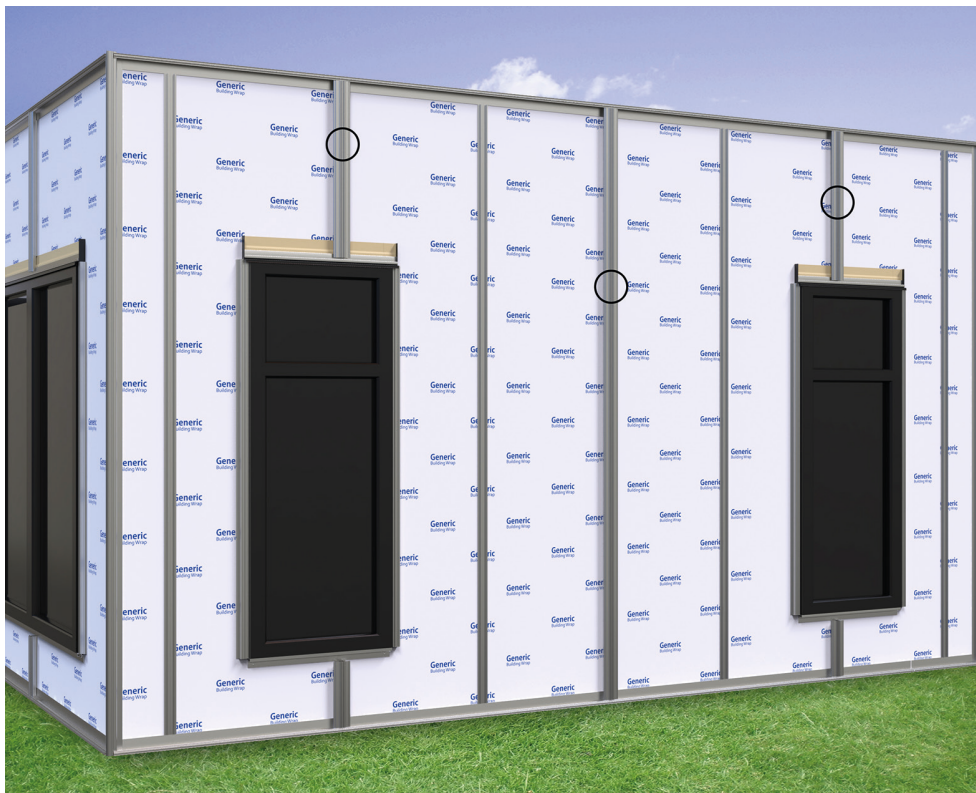
Clip ZX-210 Door/Window Jamb Batten.



ZX-210
Door/Window Jamb Batten
x 5.4M – Mill Finish

8.

Clip ZX-207 Vertical Base where vertical joins are required.



ZX-207
Vertical Base x 5.4M
– Mill Finish

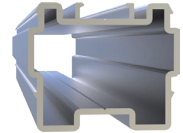
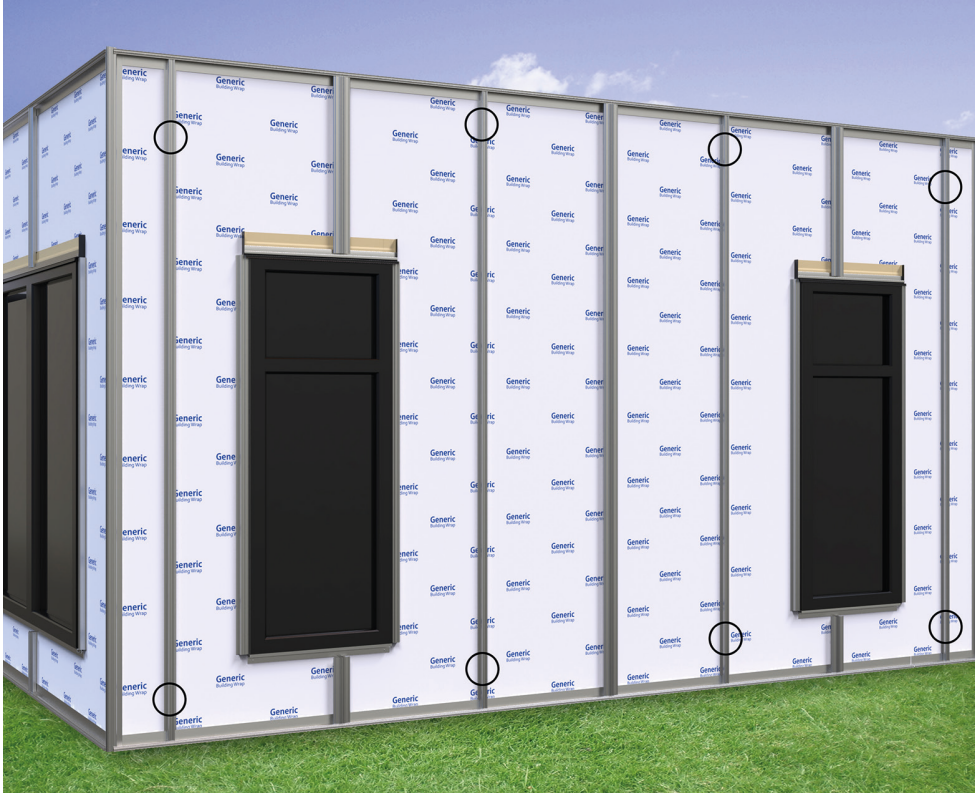


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9.

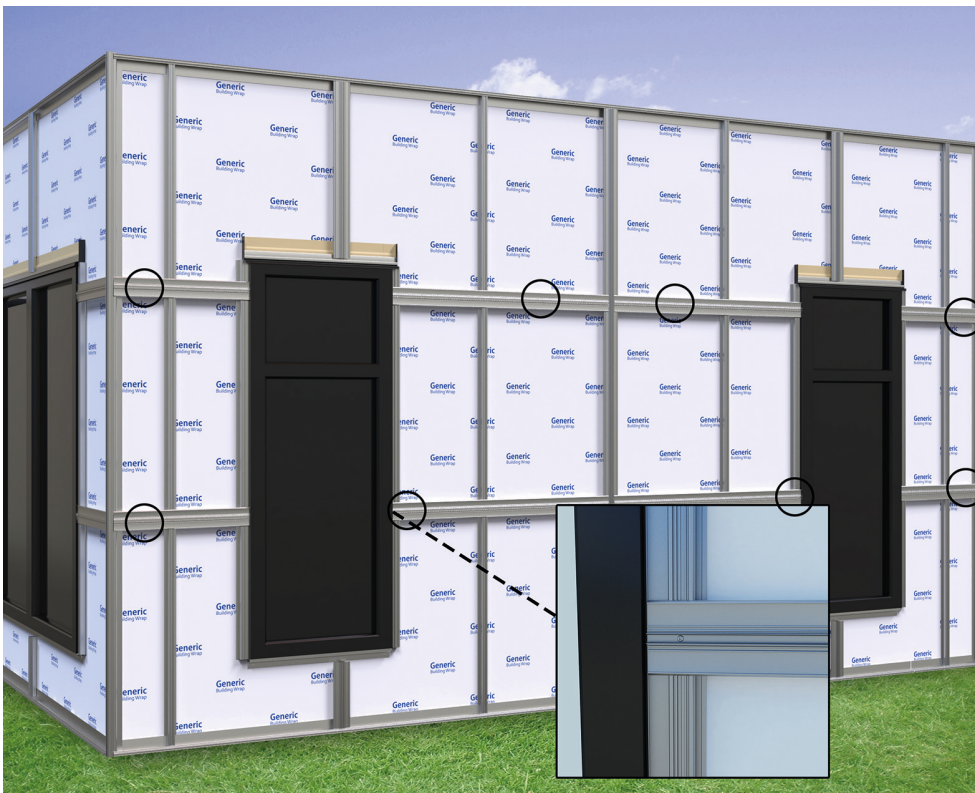
Clip ZX-209 Vertical Batten which will be behind ZX-2P2 Panel.



ZX-209
Vertical Batten x 5.4M
- Mill Finish

10.

Install ZX-208 Horizontal Base where horizontal joins are required with ZX-24 screws where it meets with vertical battens.



ZX-208
Horizontal Base x 5.4M
- Mill Finish

ZX-24
M10 x 45mm FH SQ
Tek Screws T410 Hardened
- 1000 per Box



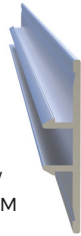
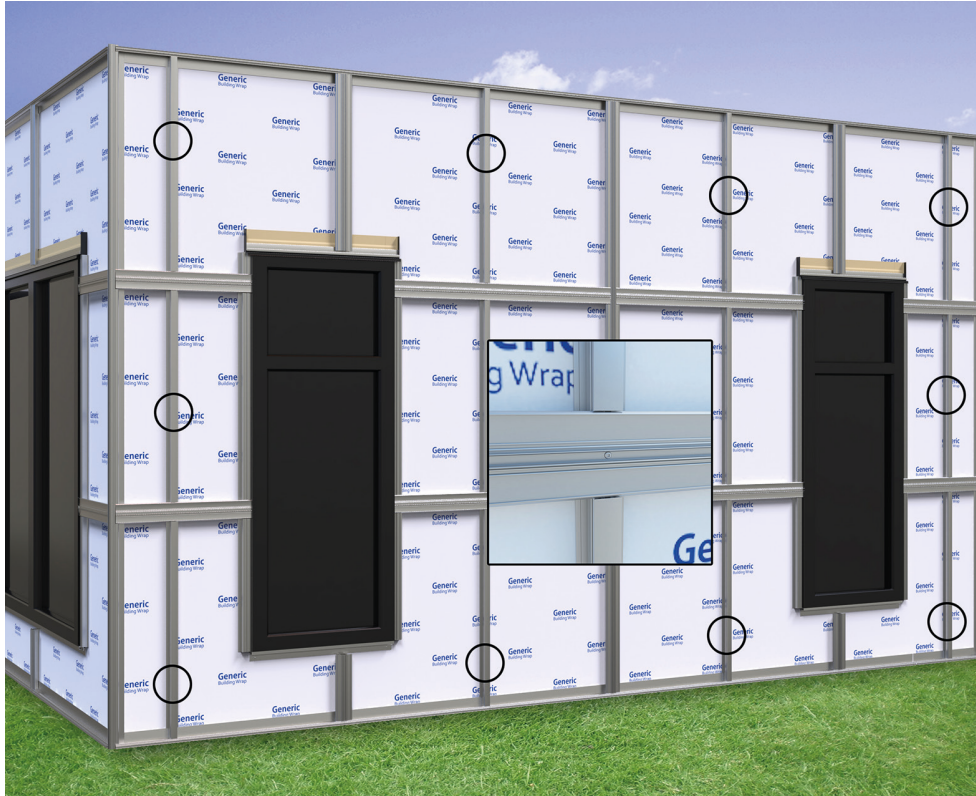


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11.

Clip ZX-202 Lower/Top/Vertical/Horizontal covers, cut as required to ZX-210 door/window jamb batten and ZX-209 vertical battens.

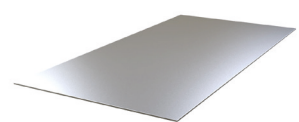
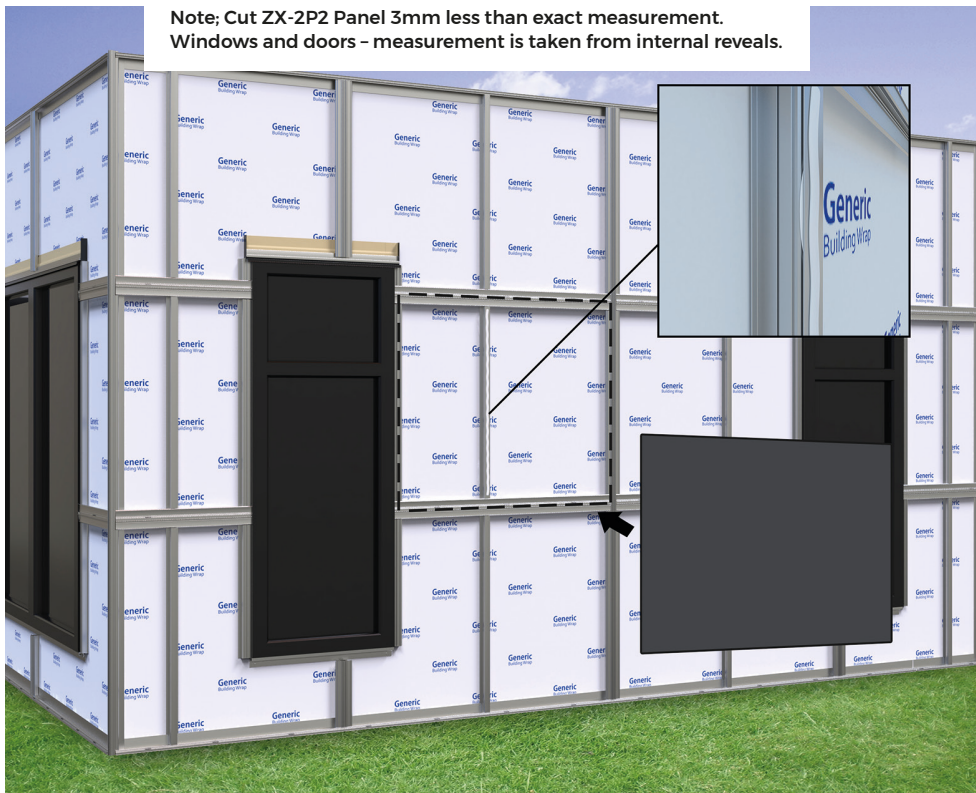


ZX-202
Lower / Top / Vertical /
Horizontal Cover x 5.4M
- Powder Coated

12.

Apply ZX-31 Quilosa FMS Adhesive on ZX-202 as you fit ZX-2P2 Panel. Apply ZX-31 in a 6mm continuous bead from top to bottom in a squiggle pattern. Note not around windows or doors.
Apply ZX-31 behind ZX-202 to the middle of the length on both sides, as shown in the exploded view.

**Note; Cut ZX-2P2 Panel 3mm less than exact measurement.
Windows and doors - measurement is taken from internal reveals.**



ZX-2P2
Panel 2400 x 1200 x 2mm
- Powder Coated



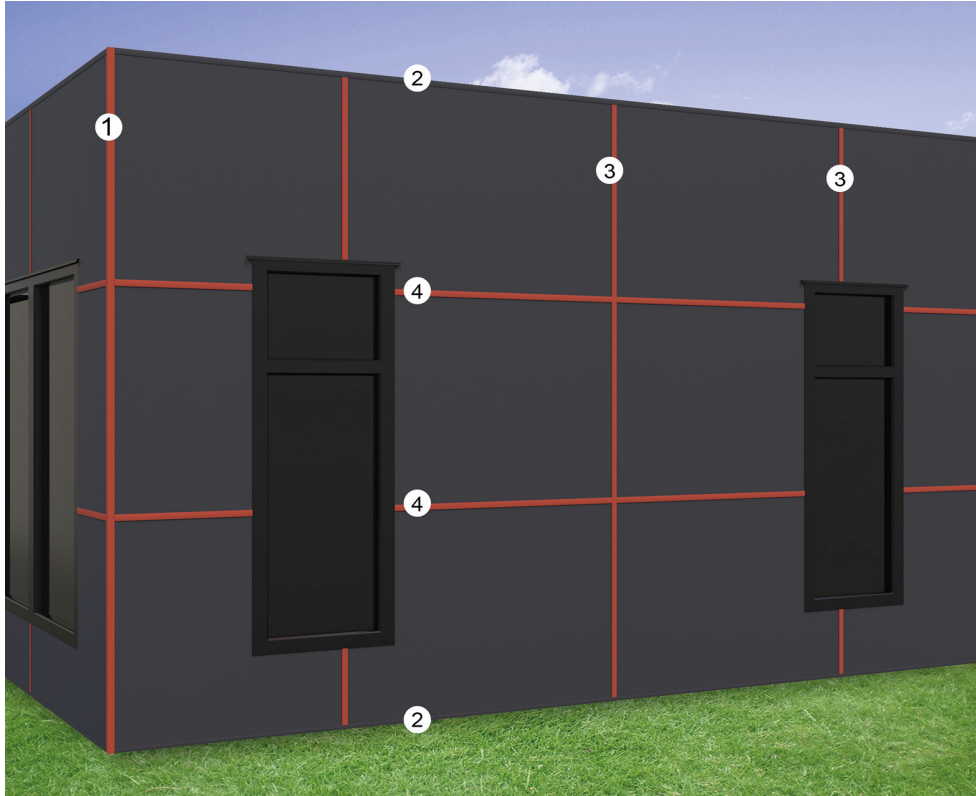
ZX-31
Quilosa FMS Adhesive White

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13.

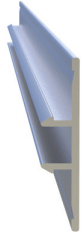
Clip ZX-202, ZX-204, ZX-206 cover in the following sequence:

- ① ZX-203 External Corner Base/ ZX-205 Internal corner base.
- ② ZX-201 Top and Bottom base.
- ③ ZX-207 Vertical base.
- ④ ZX-208 Horizontal base.



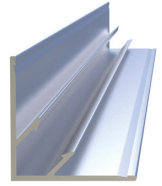
ZX-202

Lower / Top / Vertical / Horizontal Cover x 5.4M
– Powder Coated



ZX-204

External Corner Cover x 5.4M
– Powder Coated



ZX-206

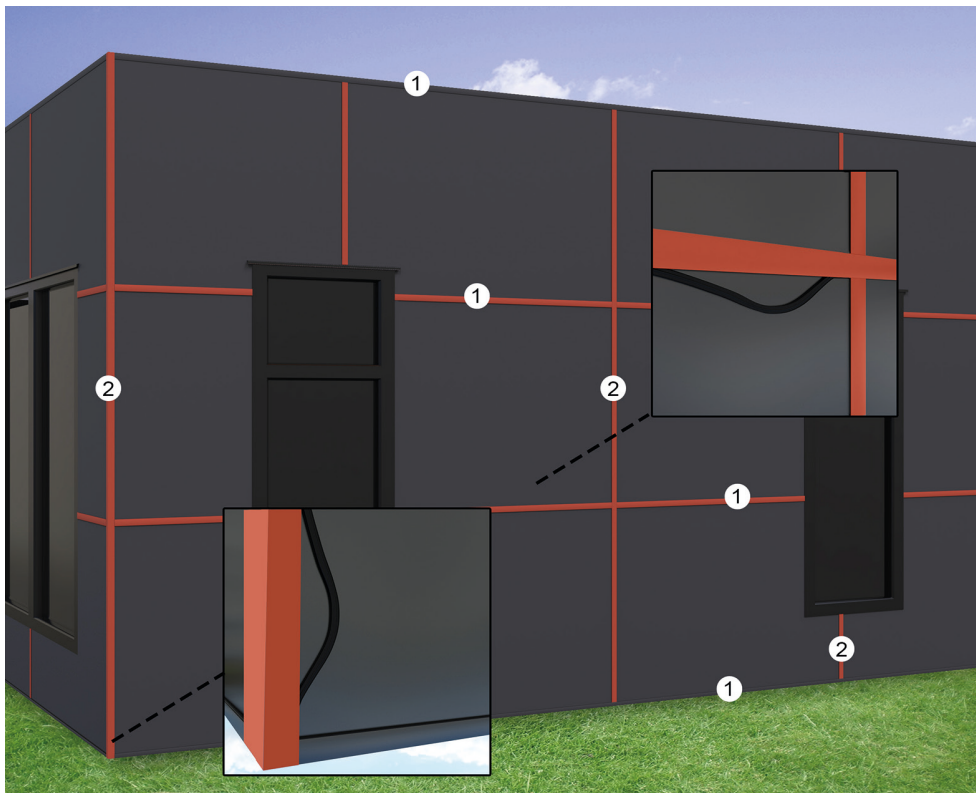
Internal Corner Cover x 5.4M
– Powder Coated



14.

Install All ZX-21 in the following sequence:

- ① First to all horizontal covers.
- ② Then to all vertical covers.
- ③ Windows and doors – add a thin layer of ZX-31 to back of joinery 1mm from edge prior to installing ZX-21.



ZX-21

Wedge TPE Santoprene
5mm x 250M



ZX-31

Quilosa FMS Adhesive White



ZX-40

Glazing Tool

ZX-2P2 Panel 2400 x 1200 x 2mm - Powder Coated		ZX-201 Lower and Top Base x 5.4M - Mill Finish		ZX-202 Lower / Top / Vertical / Horizontal Cover x 5.4M - Powder Coated
				
ORDER#		ORDER#		ORDER#
ZX-203 External Corner Base x 5.4M - Mill Finish	ZX-204 External Corner Cover x 5.4M - Powder Coated	ZX-205 Internal Corner Base 90 Deg x 5.4M - Mill Finish	ZX-206 Internal Corner Cover x 5.4M - Powder Coated	ZX-207 Vertical Base x 5.4M - Mill Finish
				
ORDER#	ORDER#	ORDER#	ORDER#	ORDER#
ZX-208 Horizontal Base x 5.4M - Mill Finish		ZX-209 Vertical Batten x 5.4M - Mill Finish	ZX-210 Door/Window Jamb Batten x 5.4M - Mill Finish	ZX-211 Batten Base Receiver x 5.4M - Mill Finish
				
ORDER#		ORDER#	ORDER#	ORDER#
ZX-212 J-Mould (WANZ Base Sill Cap) x 5.4M - Mill Finish	ZX-218 External Corner Bottom Plate - Mill Finish	ZX-219 Internal Corner Bottom Plate - Mill Finish	ZX-221 WANZ Bar E14081 x 5.0M - Mill Finish	ZX-224 Cladding Cap x 5.4M - Powder Coated
				
ORDER#	ORDER#	ORDER#	ORDER#	
ZX-227 Flashing Head Batten x 5.4M - Powder Coated	ZX-228 Flashing Head x 5.4M - Powder Coated	ZX-20 3M 8067 All Weather Flashing Tape x 22.8 Metre	ZX-21 Wedge TPE Santoprene 5mm x 250M	
				
ORDER#	ORDER#	ORDER#	ORDER#	
ZX-23 Window Flashing End Cap - 25 Pairs (L&R) per Pack	ZX-24 M10 x 45mm FH SQ Tek Screws T410 Hardened - 1000 per Box	ZX-25 (FSM411) M4 X 11 CSQ SQS/Drill S/S BLK Screws - 1000 per Pack	ZX-31 Quilosa FMS Adhesive White	ZX-40 Glazing Tool
				
ORDER#	ORDER#	ORDER#	ORDER#	ORDER#



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HELPFUL TIPS

- A.** You must follow exact measurements as per 1. & 2. (refer to page 3)
- B.** Use a wax candle when rolling any clippings into place – no hammer force required.
- C.** Use water and soap liquid when installing ZX-21 wedge.

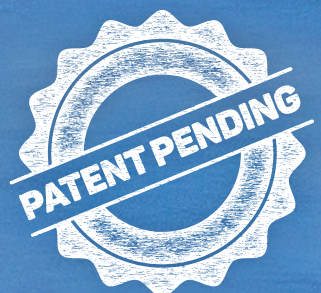
zxpanel.com



NZ Patent NO# –
NZpat.Appln.Nos.740181/744733

NZ Des Application –
NZDes.Appln.Nos.424123-32/424774-76

Worldwide Design Registrations.





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ARTIST IMPRESSION



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