

# Quality Assurance Checklist

## Hermpac VertiLine Vertical Shiplap Weatherboard Cavity System

Project Name

Project Address

Initial Check done by

Date

Revision Check done by

Date

**To be read in conjunction with NZS3604:2011 and Hermpac Documentation:** Construction drawings, VertiLine Vertical Shiplap Weatherboard Cavity System. Installation Specification, BRANZ Appraisal 663 (2014) and CodeMark Certificate GM-CM30038 Aluminium Joinery to NZBC:4211 and material compatibility as per NZBC E2/AS1 Tables 20 and 21.

	PLEASE TICK ✓	OK	REQUIRED	RECHECK	DATE
<b>Framing checks</b>					
Ensure framing is straight and true. Framing tolerances must comply with the requirements of NZS3604:2011.					
Studs as per design specification and NZBC (or at max. 600mm centres).					
Nogs/Dwangs as per design specification and NZBC (or at max. 480mm centres).					
<b>Wind loading &amp; wall underlay - as per NZBC E2/AS1</b>					
Wind Loading up to, and including 'Very High' - flexible or rigid underlay - installed in accordance with manufacturer's instructions and in accordance with E2/AS1.					
Wind Loading 'Extra High' - a rigid wall underlay overlaid with a flexible wall underlay, or using proprietary RAB system in accordance with E2/AS1.					
SED or Specific Design wind pressures up to and including a design differential of 2.5kPa ULS - proprietary RAB system installed in accordance with manufacturer's instructions.					
<b>Cavity battens</b>					
Non structurally fixed - Either Cavibat Polypropylene fluted battens or Vertibat V1 or V2 batten (min. H3.1 treated) Radiata Pine at 400-480mm maximum centres.					
Structurally fixed - Vertibat V3, V4, V5 or V6 batten (min. H3.2 treated) Radiata Pine -at 400-480mm maximum centres.					
Non structural fixing - Tack in place with 40x2.5mm hot dip galvanised flat head nails, 50x2.8mm or 60x2.8mm flat head hot dip galvanised gun nails or Stainless Steel clouts (to temporary fix) - fix to all nogs at 400-480mm maximum centres.					
Structural fixing - screw fix using 12 gauge x 65mm or 75mm Grade 304 stainless steel screws - one screw at each stud crossing (maximum 600mm centres) - must achieve 25mm minimum penetration into framing.					
Install vertically at all internal and external details. Fit to support corner flashing.					
<b>Flashings</b>					
Hermpac Aluminium flashings to all internal and external corners. Ensure you have the correct size flashing, refer construction drawings HC-SHIP-300-408 or HC-SHIP40-300-408.					

Apply a continuous bead of sealant to the face of the flashing along the fixing line if the nail is going to penetrate the flashing. eg. (Bostik Seal 'N' Flex FC, Sikaflex AT Facade).

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PLEASE TICK ✓

	OK	REQUIRED	RECHECK	DATE
<b>Cavity closure</b>				
The selected cavity closure strip must be installed so a minimum 15mm drip edge to the bottom of the weatherboards is maintained at all times.				
<b>FIXING WEATHERBOARDS</b>				
Fix Herculoc clinch nail to the hidden lap of the weatherboard at every cavity batten - ref: HC-SHIP-410 or HC-SHIP40-410. Recommended for all installations, mandatory for installations in "Extra High" wind zones and above.				
Ensure set out of Vertical Weatherboards allows for 2mm expansion gap between lapped boards.				
Nails to be pilot drilled on a slight up-slope with a hole slightly smaller than that of the nail. Line nails horizontally across boards.				
Single face fix the weatherboards.				
Place face nail fixing 30-35mm in from the weatherboard lap, at 400-480mm maximum centres vertically and located no closer than 32mm (where practical) from the end of the board and finish flush onto the surface of the weatherboard - ref: HC-SHIP-410 or HC-SHIP40-410.				
Ensure all fixings achieve minimum penetration requirements - refer Herculoc Installation Specification or Construction Drawings for details.				
<b>Note: specific requirements for CedarOne and paint finished weatherboards. Refer to Installation Specification and Construction Drawings prior to commencing installation.</b>				
<b>Sealing weatherboards</b>				
Coating all six sides of the weatherboards prior to installation (if not coated via Machinecoat NZ Ltd).				
Double seal all cut edges, ends or fresh cut timber with selected oil stain.				
Apply second and subsequent coatings on site as per coating manufacturer's specification.				
<b>Note: specific requirements for CedarOne and paint finished weatherboards. Refer to Installation Specification and Construction Drawings prior to commencing installation.</b>				
<b>Corner mouldings, scribes, cappings</b>				
Internal corners as per construction drawings HC-SHIP-300-311 & HC-SHIP40-300-311.				
External corners as per construction drawings HC-SHIP400-408A & HC-SHIP40-400-408A.				
Apply a continuous bead of sealant to the inside surfaces of the moulding or the faces of the flashing to which the moulding is to be bonded.				
<b>Sealant options for Wood-X Cedar Oil, Traditional Oil Stains or Waterborne Oil Stains include Bostik Seal N Flex FC or Sikaflex AT Façade (NB: for other stains please check with the manufacturer to determine the most suitable sealant).</b>				
Check all eaves moulding, scribes and cappings.				
<b>Clearances</b>				
The weatherboards must overhang the floor structure by a minimum of 50mm as required by NZBC Acceptable Solution E2/AS1, Table 18.				
Ensure minimum ground clearances are observed: Bottom of weatherboards to finish 35mm clear of finished deck surface, 100mm above paved surfaces or 175mm above unprotected ground (other surfaces ref: E2/AS1 9.1.3.3).				
At deck or low pitch roof/wall junctions, the bottom edge of the weatherboards must be kept clear of any adjacent surface, or above the top surface of any adjacent roof flashing by a minimum of 35mm.				
<b>Scarf Joins</b>				
Scarf the weatherboard at 30° over a cavity batten and fix as per detail HC-SHIP-413 or HC-SHIP40-413.				
<b>Inter-storey junctions</b>				
Inter-storey drained joints must be constructed as per construction drawings HC-SHIP-412 or HC-SHIP40-412.				
<b>Aluminium joinery</b>				
All joinery and associated detailing and flashings must be installed in accordance with manufacturer's instructions, in accordance with NZBC E2/AS1, paragraph 9.1.6 and as per construction drawings HC-SHIP-200-212A or HC-SHIP40-200-212A.				
<b>Health &amp; Safety</b>				
Cutting of Herculoc shiplap weatherboards must be carried out in well ventilated areas. Dust masks, eye and hearing protection must be worn.				
<b>Maintenance</b>				
Maintenance schedule provided to homeowner on completion of project.				

This is a guide only, designed to assist contractors during installation.  
 Contractors must always follow the instructions provided within the Herculoc Installation Specification and construction details.



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