

SPECIFICATION TEMPLATE

NVELOPE NV3 Aluminium Sub-frame System

Features:

- NV3 is the Nvelope system for secret fix / mechanically fixed applications for vertical cladding applications.
- Secured using hangers and undercut anchors or screws to provide a concealed fixing.
- Horizontal Nvelope channel profiles are fixed to the vertical profiles. Rainscreen panels are hung from and secured to the horizontal profiles with fixed & adjustable hangers.
- Nvelope 'T' and 'L' profiles are fixed using Nvelope helping hand support brackets, fixed through a series of fixed and flexible points.
- Nvelope flexible point brackets absorb wind load and allow for expansion & contraction.
- Nvelope fixed-point brackets absorb both vertical dead loads.
- Nvelope bracket spacing is determined by cladding options such as the dimensions and weight of the façade cladding, local wind loads and cladding zone.
- Nvelope NV3 is Non-Combustible to AS1530.1
- Nvelope NV3 brackets and rails are non-corrosive thus suitable for both marine and coastal zone applications.

Usage:

- NV3 is suitable for mechanical secret fix cladding applications – fibre cement, high pressure laminate (HPL), ceramics or thin stone.

Supplier:

BLUECHIP

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Product reference: Nvelope NV1

Fastener Type:

[Masonry] - M10 x 75mm SFS Stainless steel torque drive screw and nylon plug.

[Metal] - 6.3mm X 38mm SFS Stainless steel bi-metal self-drilling primary fixing screw.

[Timber] - 25mm SFS Stainless steel timber batten primary fixing screw.

Bracket Type:

[Single]

[Double]

Bracket Size:

[60 mm] - Adjustment 62–134 mm.

[90 mm] - Adjustment 92–164 mm.

[120 mm] - Adjustment 122–194 mm.

[150 mm] - Adjustment 152–224 mm.

[180 mm] - Adjustment 182–254 mm.

[210 mm] - Adjustment 212–284 mm.

[240 mm] - Adjustment 242–314 mm.

[270 mm] - Adjustment 272–344 mm.

[300 mm] - Adjustment 302–374 mm.

Bracket Hole Size:

[6.5 mm holes] - Suitable for steel and/ or timber substrates.

[11 mm holes] - Suitable for block/ concrete substrates.

Profiles:

- [L, 60 x 40 mm]
- [T, 40 x 100 mm]
- [T, 60 x 100 mm]

Guidance from Nvelope Rainscreen Systems (NVELOPE)

More about Nvelope NV3: As standard and Options

As standard

Material: Manufactured from extruded aluminium 6005a alloys conforming to AS/NZS 1866:1997 (material) and BS EN755 (production).

Options

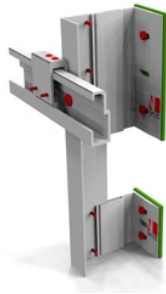
Nvelope brackets: Allows adjustment between back of chosen façade and face of substrate material.

Nvelope isolators:

An optional PVC thermal bridge isolator can be located between the Nvelope bracket and the face of the substrate being fixed to.

BIM Objects:

NV3 System: <https://www.nationalbimlibrary.com/nveloperainscreen-systems/nv3-system>



Additional Literature: <http://www.nvelope.com.au/cladding-systems-NV1-vertical-cladding.html>

Brochure: https://www.bluechipgroup.net.au/images/fixing-systems/products/nvelope/library/NVELOPE_Brochure_V0819.pdf

Installation Guide: https://www.bluechipgroup.net.au/images/fixing-systems/products/nvelope/library/NVELOPE_NV3_Installation_Guide_V0819.pdf

Drawings: https://www.bluechipgroup.net.au/images/fixing-systems/products/nvelope/library/NVELOPE_NV3_Installation_Details_V0819.pdf

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