

## SPECIFICATION TEMPLATE

### NVELOPE NV1 Aluminium Sub-frame System

#### Features:

- NV1 is the Nvelope back frame for vertical cladding applications.
- 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 NV1 is Non-Combustible to AS1530.1
- Nvelope NV1 brackets and rails are non-corrosive thus suitable for both marine and coastal zone applications.

#### Usage:

- Suitable as a back-frame system (NV1 is the basis of all Nvelope Rainscreen Systems) – NV1 is suitable for face fixing / rivet fixing cladding elements to various materials e.g. fibre cement, high pressure laminate (HPL), ACM and metal rainscreen panels).

#### 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 62–102 mm.

[90 mm] - Adjustment 92–132 mm.

[120 mm] - Adjustment 122–162 mm.

[150 mm] - Adjustment 152–192 mm.

[180 mm] - Adjustment 182–222 mm.

[210 mm] - Adjustment 212–252 mm.

[240 mm] - Adjustment 242–282 mm.

[270 mm] - Adjustment 272–312 mm.

[300 mm] - Adjustment 302–342 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 NV1: 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**

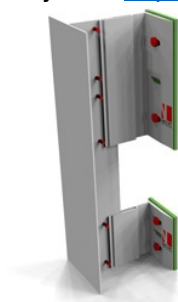
Nvelope brackets: Allows adjustment between back of chosen façade and face of substrate material.

**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:**

NV1 System <https://www.nationalbimlibrary.com/nvelope-rainscreen-systems/nv1-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](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\\_NV1\\_Installation\\_Guide\\_V0819.pdf](https://www.bluechipgroup.net.au/images/fixing-systems/products/nvelope/library/NVELOPE_NV1_Installation_Guide_V0819.pdf)

**Drawings:** [https://www.bluechipgroup.net.au/images/fixing-systems/products/nvelope/library/NVELOPE\\_NV1\\_Installation\\_Details\\_V0819.pdf](https://www.bluechipgroup.net.au/images/fixing-systems/products/nvelope/library/NVELOPE_NV1_Installation_Details_V0819.pdf)

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