

# **RAINSCREEN CLADDING SYSTEMS**



**DESIGNED FOR ARCHITECTS. BUILT FOR INSTALLERS**  
**BRACKETS, RAILS AND SYSTEMS**





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## OUR CLADDING SUPPORT SYSTEMS

### QUALITY. EXCELLENCE. SAVINGS

structurally developed from high specification alloys - suitable for supporting even the most demanding façade materials.

- HPL
- timber/weatherboard
- terracotta/brickslip
- fibre cement
- fibre concrete
- metals
- ACM
- render
- ceramic/thin stone
- glass
- photovoltaic

you name it - we make it happen.

we hold extensive stocks of our standard façade support systems including brackets, components, extrusions and accessories in all configurations. in-stock items are available for immediate delivery. project specific, cut profile lengths and bespoke systems solutions are available to order. we turn things around super-fast.

### DESIGN

we ensure that our rainscreen brackets and grid systems are safe and optimised with our design support service. we add to the design process with an almost infinite range of façade appearance and layout options.



### OUR PEDIGREE

NVELOPE support systems have british board of agreement (BBA) certification and are manufactured to ISO 9001 quality management standards.

we simplify the complexity of façades. our systems are able to support almost any type of façade.

concealed fix (mechanical and structural bonding) and visible fix solutions are available. the systems selector will assist in matching the NVELOPE system to the chosen façade materials for your scheme.

### SYSTEM OBJECT AND STATIC ANALYSIS

the structural requirements of the system can be calculated to ensure the integrity of the installation. project material quantities can be accurately estimated and potential cost savings identified with straightforward access provided via completion of our project checklist.

[nvelope.com/projectchecklist](https://nvelope.com/projectchecklist)



GENERIC - CLADDING TYPES	NV1	NV2	NV3	NV4 (ts200)	NV5 (ts300)	NV6	NV7
ACM	OK	OK					OK
ALUMINIUM	OK	OK					OK
BRICK SLIP							
CERAMIC		OK	OK				
COPPER		OK				OK	
FIBRE CEMENT	OK	OK	OK				
FIBRE CONCRETE	OK	OK	OK				
GRC	OK	OK	OK				
GRP	OK	OK	OK				
GLASS		OK					
HPL - HIGH PRESSURE LAMINATE	OK	OK	OK	TRESPA	TRESPA		
PHOTOVOLTAIC							
RENDER	OK					OK	
STAINLESS STEEL	OK	OK				OK	
TERRACOTA							
TIMBER						OK	
TIMBER LAMINATE	OK	OK					
THIN STONE		OK	OK				
WEATHER BOARDING						OK	
ZINC						OK	OK



- NV1** NVELOPE vertical back frame/bracket + 'T' and 'L' & face fix (rivet) applications
- NV2** NVELOPE back frame/bracket + 'T' and 'L' - structural bond (SikaTack) - concealed fix
- NV3** NVELOPE back frame/bracket + 'T' and 'L' + horizontal rail & cleats - concealed fix/mechanical
- NV4** NVELOPE back frame/bracket + 'T' and 'L' + horizontal Trespa branded (ts200) rail & cleats - concealed fix (HPL)
- NV5** NVELOPE back frame/bracket + 'T' and 'L' + horizontal Trespa branded (ts300) rail & cleats - concealed fix (HPL)
- NV6** NVELOPE bracket and carrier - hybrid framing system (alu/timber) - timber cladding + ply carrier faced facades
- NV7** NVELOPE back frame/bracket featuring 'cassette', 'T' - concealed fixed 'cassette'

## BRACKETS AND RAILS

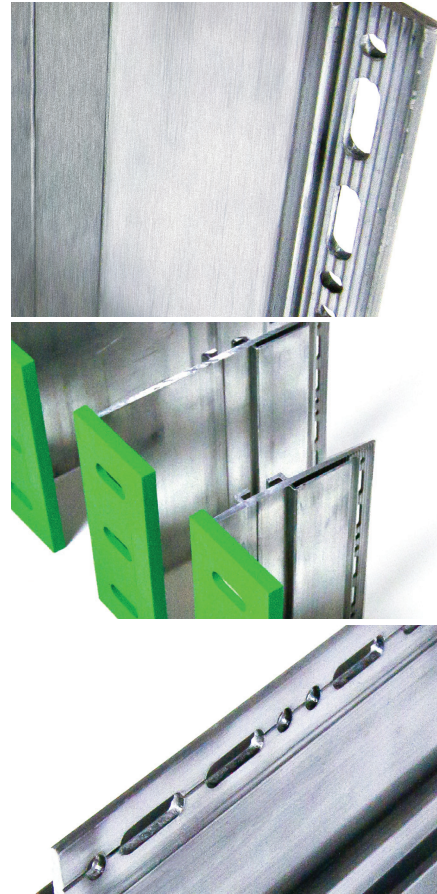
### A 'HELPING HAND'

a simple cladding support system typically consists of NVELOPE 'helping hand' brackets which are fixed to the substrate at set vertical and horizontal separations.

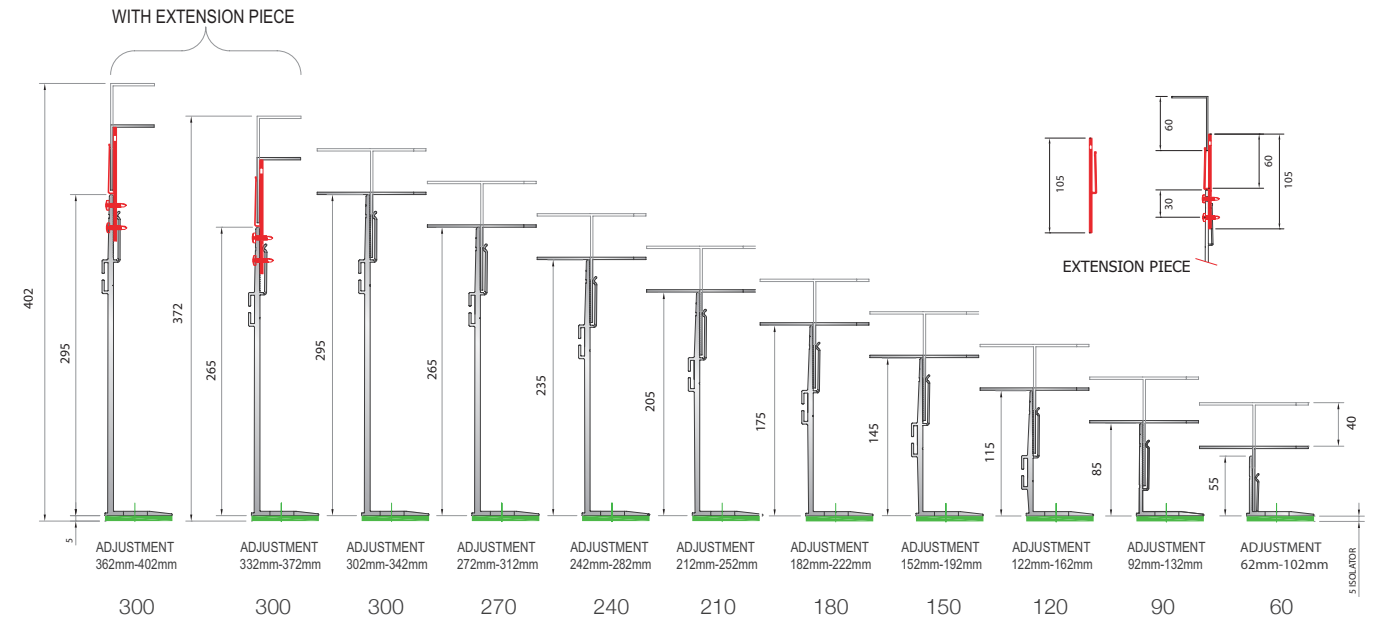
there are vertical (NV) brackets (these will be used in the majority of cases) and horizontal (NH) brackets.

profiles are then fixed into brackets. profiles are usually vertical - 'L' rails (normally used at intermediate locations) and 'T' rails (normally used at panel joints).

brackets are compatible with substrates - concrete/block/lightweight steel/timber/SIPS - check with NVELOPE technical department.



## NV VERTICAL BRACKETS





## NV BRACKETS

### FUNCTIONALITY AND VERSATILITY

the vertical profiles attach to the brackets by a combination of fixed and flexible points to allow for dead load and dynamic loads. flexible points are vital due to the differing thermal performances of the materials being combined.

dead loads, dynamic loads, expansion and contraction must all be taken into account. the façade has to, in effect, be able to 'float' on the sub-construction. this means that elements of the façade construction have only 1 x fixed point while all the other fixing points must be executed as floating points (sometimes referred to as flexible points).

profiles which are assembled to a fixed point, are connected through the round holes in the bracket. the fixed point absorbs both vertical weight loads and horizontal wind loads.

profiles which are assembled to a flexible point, are connected by the elongated holes in the brackets. the primary function of the flexible point bracket being to absorb dynamic horizontal wind loads.

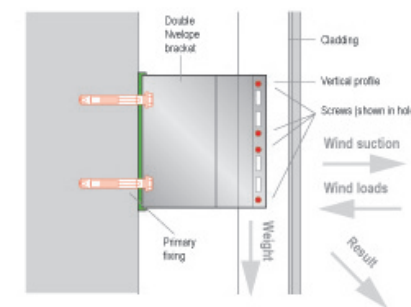
with vertical systems the length of the profiles normally depends on the storey height. with horizontal systems it depends on panel separation.

the relationship between the façade material and the support system in the context of expansion must be considered.

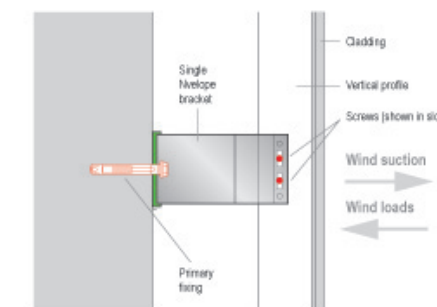
based on a preliminary survey of the wall and architectural/structural design, a grid layout for the sub-frame is first prepared. the brackets with integrated isolation pads, are fixed to the substrate wall using stainless steel fixings of appropriate size as determined by design. the pull-out value of the fixings for securing the brackets to the wall should be determined on site from the characteristic pull-out strength and appropriate safety factor as given in BS 5427-1 : 1996.

the rails are clipped into the brackets and, after adjustment for line and level, are fixed using self-drilling stainless steel screws (or rivets).

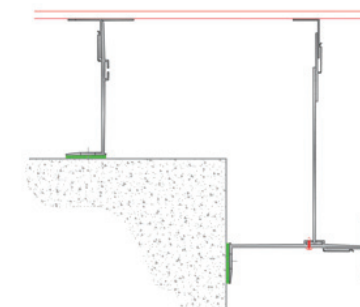
### VERTICAL FIXED POINT



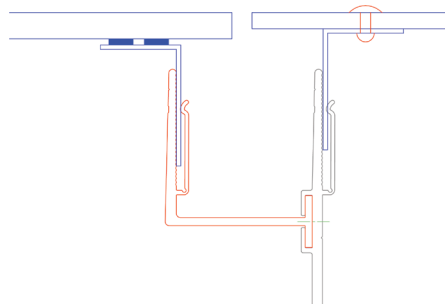
### VERTICAL FLEXIBLE POINT



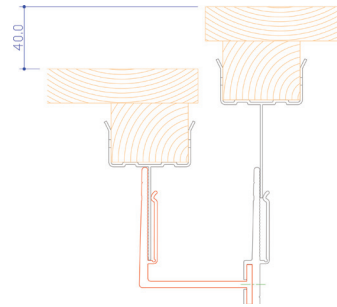
### BRACKET ACCESSORIES



### DISIMILAR CLADDING



### STEPPED CLADDING



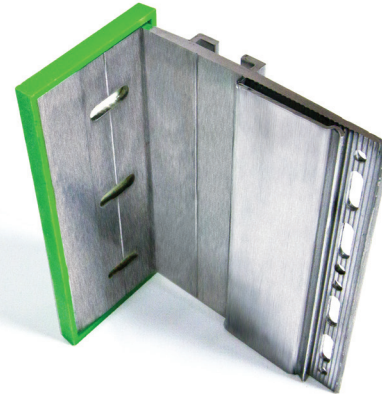
## NVELOPE ISOLATOR STANDARD FOR NV AND NH

- featured as standard on all NVELOPE brackets
- pre-fixed isolators enable quick bracket assembly
- flame retardant polypropylene copolymer
- recyclable/ecologically friendly
- low thermal conductivity passive house application

NVELOPE brackets and profiles are manufactured in the UK to EN755 production and EN12020-2 alloy and quality standards.

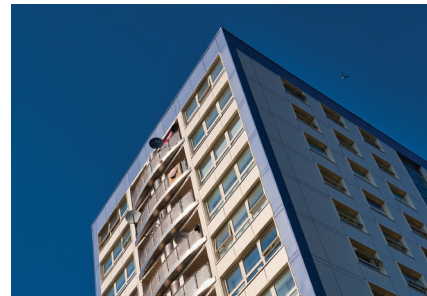
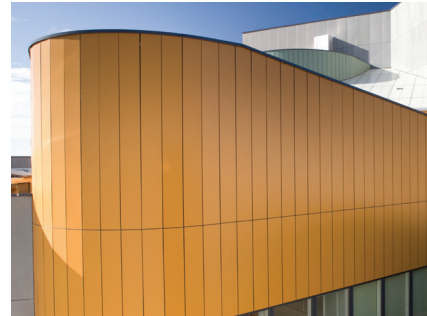
NVELOPE brackets are available in standard dimensions of 60mm – 300mm. NVELOPE brackets are available in two ‘footprint’ sizes - single (75mm) and double (150mm).

The ‘pocket’ in each NVELOPE bracket allows up to 40mm of outward adjustment of a 60mm leg profile inserted into the ‘pocket’.



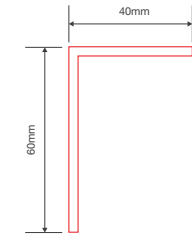


VERTICAL BRACKETS						
BRACKETS FOR STEEL / TIMBER FRAME			BRACKETS FOR CONCRETE / BLOCK			
VB60S-6.5	SINGLE	VB60D-6.5	DOUBLE	VB60S-11	SINGLE	VB60D-11
VB90S-6.5		VB90D-6.5		VB90S-11		VB90D-11
VB120S-6.5		VB120D-6.5		VB120S-11		VB120D-11
VB150S-6.5		VB150D-6.5		VB150S-11		VB150D-11
VB180S-6.5		VB180D-6.5		VB180S-11		VB180D-11
VB210S-6.5		VB210D-6.5		VB210S-11		VB210D-11
VB240S-6.5		VB240D-6.5		VB240S-11		VB240D-11
VB270S-6.5		VB270D-6.5		VB270S-11		VB270D-11
VB300S-6.5		VB300D-6.5		VB300S-11		VB300D-11

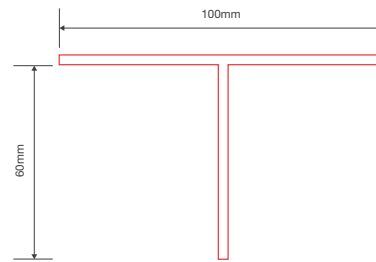


## STANDARD 'T' & 'L' PROFILES

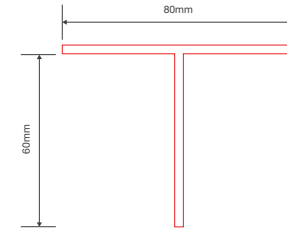
60mm x 40mm x 2.2mm **L**  
standard 3,000mm - 4,850mm - 6,000mm



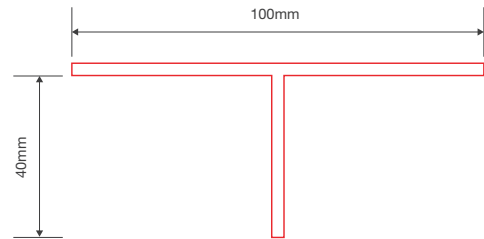
60mm x 100mm x 2.2mm **T**  
standard 3,000mm - 4,850mm - 6,000mm



60mm x 80mm x 2.2mm **T**  
standard 3,000mm - 6,000mm

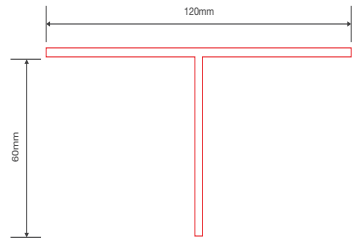


40mm x 100mm x 2.2mm **T**  
standard 3,000mm - 6,000mm

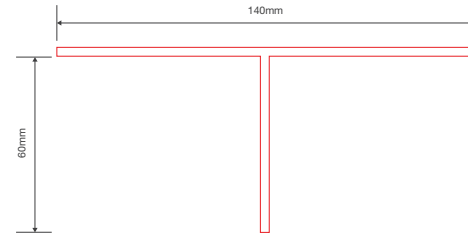


## STANDARD 'T' & 'L' PROFILES

60mm x 120mm x 2.2mm T  
standard 3,000mm - 4,850mm - 6,000mm

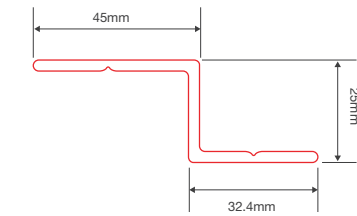
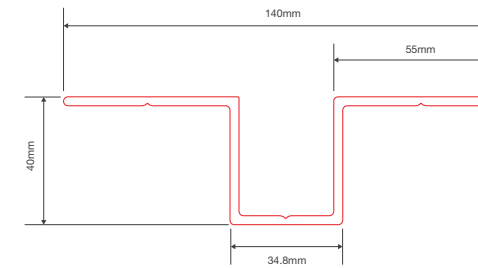
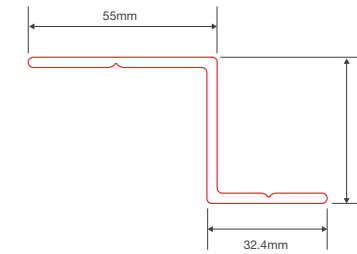
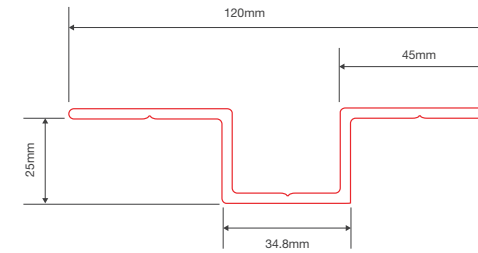


60mm x 140mm x 2.2mm T  
standard 3,000mm - 4,850mm - 6,000mm



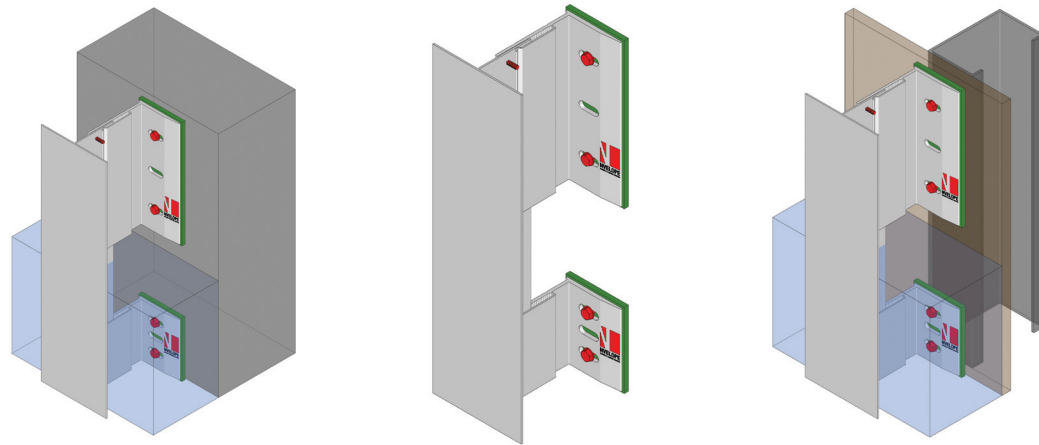
## STANDARD OMEGA AND ZED PROFILES

standard 3000mm and 6000mm length





## NV1



### FEATURES

NV1 is the NVELOPE back frame – vertical cladding applications.

NVELOPE 'T' and 'L' profiles are fixed using NVELOPE 'helping hand' support brackets, fixed through a series of pre-punched fixed and flexible point holes.

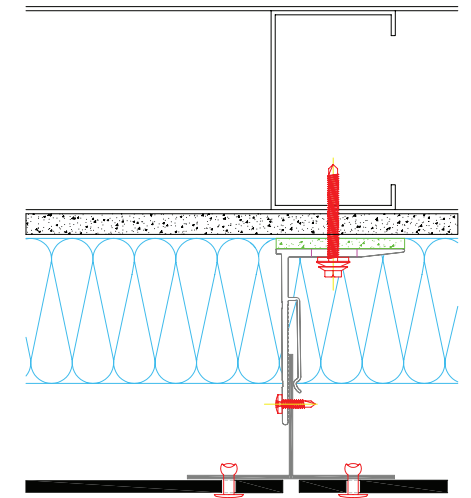
NVELOPE flexible point brackets absorb wind loading and allow for expansion and contraction.

NVELOPE fixed point brackets absorb vertical dead loads.

NVELOPE bracket spacing is determined by cladding design options such as the dimensions and weight of the façade cladding, local wind loads, cladding zone and substrate.

### 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 which it can be fixed are: fibre cement, high pressure laminate (HPL), ACM and metal rainscreen panels, etc.



## MORE ABOUT NV1

### AS STANDARD

**material:**

manufactured from extruded aluminium alloys conforming to EN 573-3 (material) and EN 755 production standards.

### APPROVALS

british board of agreement (BBA) - 09/4678

### TECHNICAL SPEC.

download NV1 technical spec from [nvelope.com](http://nvelope.com)



### OPTIONS

**NVELOPE brackets (V):**

allows adjustment between face of primary support to outer face of vertical profile. (assuming 60mm profile leg).

[60].	adjustment from 62mm min to 102mm max	single/double - 6.5mm holes/11.0mm holes*
[90].	adjustment from 92mm min to 132mm max	single/double - 6.5mm holes/11.0mm holes*
[120].	adjustment from 122mm min to 162mm max	single/double - 6.5mm holes/11.0mm holes*
[150].	adjustment from 152mm min to 192mm max	single/double - 6.5mm holes/11.0mm holes*
[180].	adjustment from 182mm min to 222mm max	single/double - 6.5mm holes/11.0mm holes*
[210].	adjustment from 212mm min to 252mm max	single/double - 6.5mm holes/11.0mm holes*
[240].	adjustment from 242mm min to 282mm max	single/double - 6.5mm holes/11.0mm holes*
[270].	adjustment from 272mm min to 312mm max	single/double - 6.5mm holes/11.0mm holes*
[300].	adjustment from 302mm min to 342mm max	single/double - 6.5mm holes/11.0mm holes*

\* 6.5mm holes (suitable for steel and/or timber substrates)/11.0mm holes (suitable for block/concrete substrates)

**profiles:**

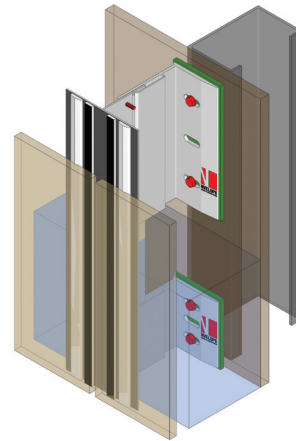
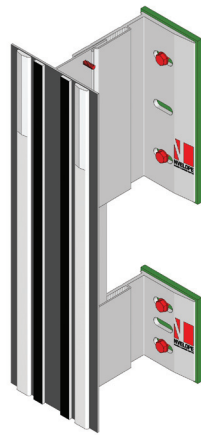
[L]. 60 x 40mm

[T]. 40 x 100 / 60 x 80 / 60 x 120 / 60 x 140mm

**NVELOPE isolators:** included as standard



## NV2



### FEATURES

NV2 is the NVELOPE system for secret fix/structural bonding applications – vertical cladding applications and features Sika SikaTack structural bonding.

NVELOPE 'T' and 'L' profiles are fixed using NVELOPE 'helping hand' support brackets, fixed through a series of pre-punched, fixed and flexible point holes.

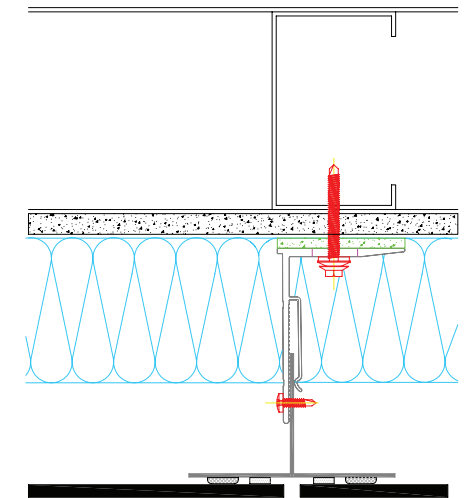
NVELOPE flexible point brackets absorb wind loading and allow for expansion and contraction.

NVELOPE fixed point brackets absorb vertical dead loads.

NVELOPE bracket spacing is determined by cladding design options such as the dimensions and weight of the facade cladding, local wind loads, cladding zone and substrate.

### USAGE

NV2 is suitable for secret fix cladding applications – structural bond (Sika SikaTack panel system) – elements to fibre cement, high pressure laminate (HPL), ACM and metal rainscreen panels, etc.



## MORE ABOUT NV2

### AS STANDARD

**material:**  
 manufactured from extruded aluminium alloys conforming to EN 573-3 (material) and EN 755 standards.

### APPROVALS

british board of agreement (BBA) - 09/4678

### TECHNICAL SPEC.

download NV2 technical spec from [nvelope.com](http://nvelope.com)



### OPTIONS

**NVELOPE brackets (V):**  
 allows adjustment between face of primary support to outer face of vertical profile. (assuming 60mm profile leg).

[60].	adjustment from 62mm min to 105mm max	single/double - 6.5mm holes/11.0mm holes*
[90].	adjustment from 92mm min to 135mm max	single/double - 6.5mm holes/11.0mm holes*
[120].	adjustment from 122mm min to 165mm max	single/double - 6.5mm holes/11.0mm holes*
[150].	adjustment from 152mm min to 195mm max	single/double - 6.5mm holes/11.0mm holes*
[180].	adjustment from 182mm min to 225mm max	single/double - 6.5mm holes/11.0mm holes*
[210].	adjustment from 212mm min to 255mm max	single/double - 6.5mm holes/11.0mm holes*
[240].	adjustment from 242mm min to 285mm max	single/double - 6.5mm holes/11.0mm holes*
[270].	adjustment from 272mm min to 315mm max	single/double - 6.5mm holes/11.0mm holes*
[300].	adjustment from 302mm min to 345mm max	single/double - 6.5mm holes/11.0mm holes*

\* 6.5mm holes (suitable for steel and/or timber substrates)/11.0mm holes (suitable for block/concrete substrates)

\* includes SikaTack (tape/adhesive)

#### profiles:

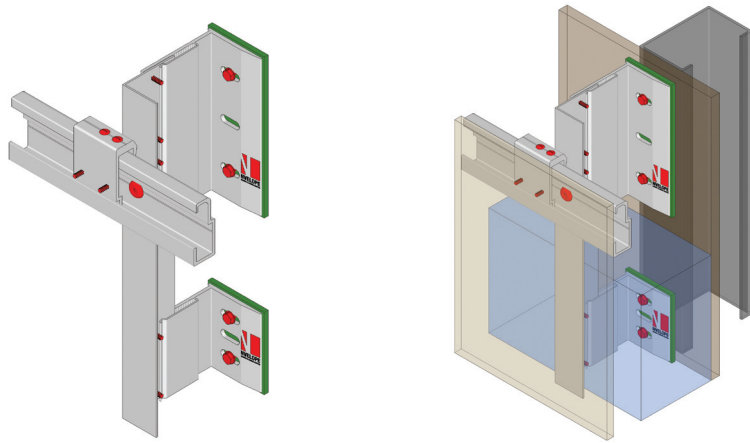
[L]. 60 x 40mm

[T]. 40 x 100 / 60 x 80 / 60 x 120 / 60 x 140mm

**NVELOPE isolators:** included as standard



## NV3



### FEATURES

NV3 is the NVELOPE system for secret fix/mechanically fixed applications – vertical cladding applications.

secured using hangers and undercut stud anchors or screws to provide a concealed fixing.

horizontal profiles are fixed to the vertical profiles. rainscreen panels are hung from and secured to the horizontal profiles with cleats, adjustable cleats, or hangers.

NVELOPE 'T' and 'L' profiles are fixed using NVELOPE 'helping hand' support brackets, fixed through a series of fixed and flexible points.

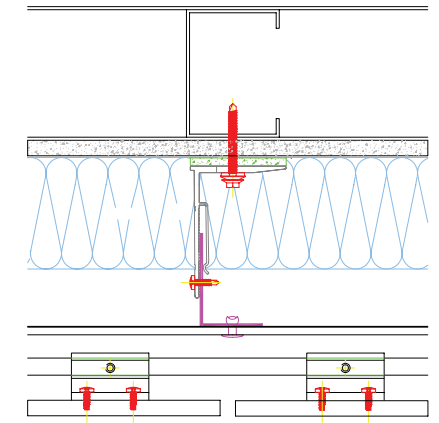
NVELOPE fixed point brackets absorb both vertical and dead loads.

NVELOPE bracket spacing is determined by cladding options such as the dimensions and weight of the facade cladding, local wind loads, cladding zone and substrate.

NVELOPE flexible point brackets absorb wind loading and allow for expansion and contraction.

### USAGE

NV3 is suitable for secret fix cladding applications – mechanical elements fix to the following substrates to fibre cement, high pressure laminate (HPL), ceramic, thin stone, etc.



## MORE ABOUT NV3

### AS STANDARD

**material:**

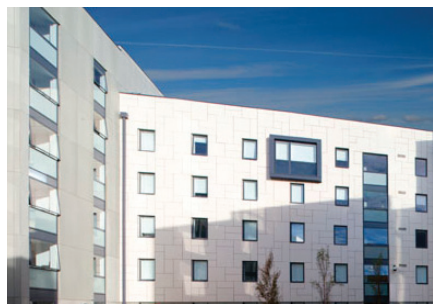
manufactured from extruded aluminium alloys conforming to EN 573-3 (material) and EN 755 standards.

### APPROVALS

british board of agreement (BBA) - 09/4678

### TECHNICAL SPEC.

download NV3 technical spec from [nvelope.com](http://nvelope.com)



### OPTIONS

**NVELOPE brackets (V):**

allows adjustment between face of primary support to outer face of vertical profile. (assuming 60mm profile leg).

[60].	adjustment from 62mm min to 134mm max	single/double - 6.5mm holes/11.0mm holes*
[90].	adjustment from 92mm min to 164mm max	single/double - 6.5mm holes/11.0mm holes*
[120].	adjustment from 122mm min to 194mm max	single/double - 6.5mm holes/11.0mm holes*
[150].	adjustment from 152mm min to 224mm max	single/double - 6.5mm holes/11.0mm holes*
[180].	adjustment from 182mm min to 254mm max	single/double - 6.5mm holes/11.0mm holes*
[210].	adjustment from 212mm min to 284mm max	single/double - 6.5mm holes/11.0mm holes*
[240].	adjustment from 242mm min to 314mm max	single/double - 6.5mm holes/11.0mm holes*
[270].	adjustment from 272mm min to 344mm max	single/double - 6.5mm holes/11.0mm holes*
[300].	adjustment from 302mm min to 374mm max	single/double - 6.5mm holes/11.0mm holes*

\* 6.5mm holes (suitable for steel and/or timber substrates)/11.0mm holes (suitable for block/concrete substrates)

\* includes NVELOPE NV3 rail and cleat (32mm)

**profiles:**

[L]. 60 x 40mm

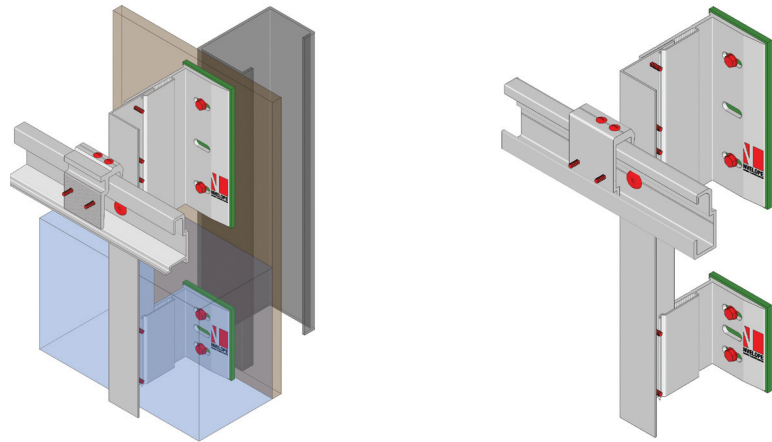
[T]. 40 x 100 / 60 x 80 / 60 x 120 / 60 x 140mm

horizontal – NVELOPE 3 rail

**NVELOPE isolators:** included as standard



**NV4** (ts200)



**FEATURES**

NV4 (ts200) is the NVELOPE system for secret fix/mechanically fixed applications – vertical cladding applications - Trespa meteon HPL only.

secured using hangers and screws to provide a concealed fixing.

horizontal profiles are fixed to the vertical profiles. rainscreen panels are hung from and secured to the horizontal profiles with cleats, adjustable cleats, or hangers.

NVELOPE 'T' and 'L' profiles are fixed using NVELOPE 'helping hand' support brackets, fixed through a series of fixed and flexible points.

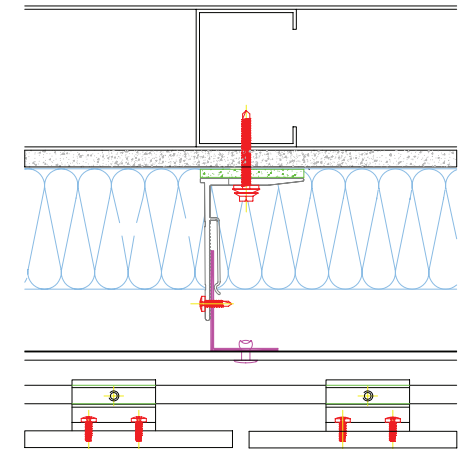
NVELOPE flexible point brackets absorb wind loading and allow for expansion and contraction.

NVELOPE fixed point brackets absorb both vertical and dead loads.

NVELOPE bracket spacing is determined by cladding options such as the dimensions and weight of the façade cladding, local wind loads, cladding zone and substrate.

**USAGE**

NV4 (ts200) is suitable for secret fix cladding applications – mechanical elements to Trespa meteon HPL.



## MORE ABOUT NV4 (ts200)

### AS STANDARD

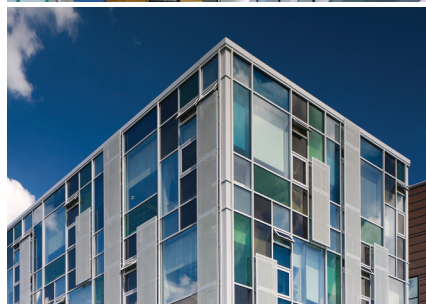
**material:**  
 manufactured from extruded aluminium alloys conforming to EN 573-3 (material) and EN 755 standard.

### APPROVALS

british board of agreement (BBA) - 09/4678

### TECHNICAL SPEC.

download NV4 (ts200) technical spec from [nvelope.com](http://nvelope.com)



### OPTIONS

**NVELOPE brackets (V):**  
 allows adjustment between face of primary support to outer face of vertical profile. (assuming 60mm profile leg).

[60].	adjustment from 62mm min to 134mm max	single/double - 6.5mm holes/11.0mm holes*
[90].	adjustment from 92mm min to 164mm max	single/double - 6.5mm holes/11.0mm holes*
[120].	adjustment from 122mm min to 194mm max	single/double - 6.5mm holes/11.0mm holes*
[150].	adjustment from 152mm min to 224mm max	single/double - 6.5mm holes/11.0mm holes*
[180].	adjustment from 182mm min to 254mm max	single/double - 6.5mm holes/11.0mm holes*
[210].	adjustment from 212mm min to 284mm max	single/double - 6.5mm holes/11.0mm holes*
[240].	adjustment from 242mm min to 314mm max	single/double - 6.5mm holes/11.0mm holes*
[270].	adjustment from 272mm min to 344mm max	single/double - 6.5mm holes/11.0mm holes*
[300].	adjustment from 302mm min to 374mm max	single/double - 6.5mm holes/11.0mm holes*

\* 6.5mm holes (suitable for steel and/or timber substrates)/11.0mm holes (suitable for block/concrete substrates).

\* includes NVELOPE NV4 (ts200) rail and cleat (32mm).

#### profiles:

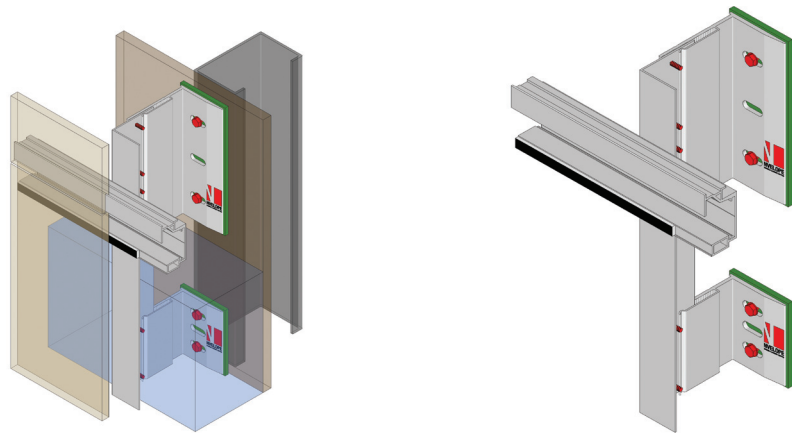
[L]. 60 x 40mm

[T]. 40 x 100 / 60 x 80 / 60 x 120 / 60 x 140mm

horizontal – NV4 (ts200) rail

**NVELOPE isolators:** included as standard

**NV5** (ts300)



**FEATURES**

NV5 (ts300) is the NVELOPE system for secret fix applications – vertical cladding applications (Trespa meteon HPL only).

the panels are supported at the bottom by the horizontal NVELOPE NV5 (ts300) channel profile, which provide restraint to panel tops.

vertical joints can be open, baffled or formed by half laps with appropriately designed panel edges providing a concealed fixing.

individual panels can be removed for maintenance or replacement.

NVELOPE ‘T’ and ‘L’ profiles are fixed using NVELOPE ‘helping hand’ support brackets, fixed through a series of fixed and flexible points.

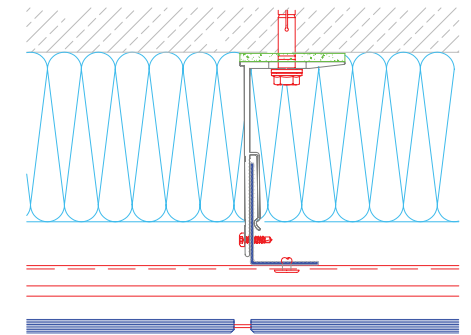
NVELOPE flexible point brackets absorb wind loading and allow for expansion and contraction.

NVELOPE fixed point brackets absorb both vertical and dead loads.

NVELOPE bracket spacing is determined by cladding options such as the dimensions and weight of the façade cladding, local wind loads, cladding zone and substrate.

**USAGE**

NV5 (ts300) is suitable for secret fix cladding applications – Trespa meteon HPL only.





## MORE ABOUT NV5 (ts300)

### AS STANDARD

**material:**

manufactured from extruded aluminium alloys conforming to EN 573-3 (material) and EN 755 standard.

### APPROVALS

british board of agreement (BBA) - 09/4678

### TECHNICAL SPEC.

download NV5 (ts300) technical spec from [nvelope.com](http://nvelope.com)



### OPTIONS

**NVELOPE brackets (V):**

allows adjustment between face of primary support to outer face of vertical profile. (assuming 60mm profile leg).

[60].	adjustment from 62mm min to 134mm max	single/double - 6.5mm holes/11.0mm holes*
[90].	adjustment from 92mm min to 164mm max	single/double - 6.5mm holes/11.0mm holes*
[120].	adjustment from 122mm min to 194mm max	single/double - 6.5mm holes/11.0mm holes*
[150].	adjustment from 152mm min to 224mm max	single/double - 6.5mm holes/11.0mm holes*
[180].	adjustment from 182mm min to 254mm max	single/double - 6.5mm holes/11.0mm holes*
[210].	adjustment from 212mm min to 284mm max	single/double - 6.5mm holes/11.0mm holes*
[240].	adjustment from 242mm min to 314mm max	single/double - 6.5mm holes/11.0mm holes*
[270].	adjustment from 272mm min to 344mm max	single/double - 6.5mm holes/11.0mm holes*
[300].	adjustment from 302mm min to 374mm max	single/double - 6.5mm holes/11.0mm holes*

\* 6.5mm holes (suitable for steel and/or timber substrates)/11.0mm holes (suitable for block/concrete substrates).

\* includes NVELOPE horizontal NV5 (ts300 rail)

**profiles:**

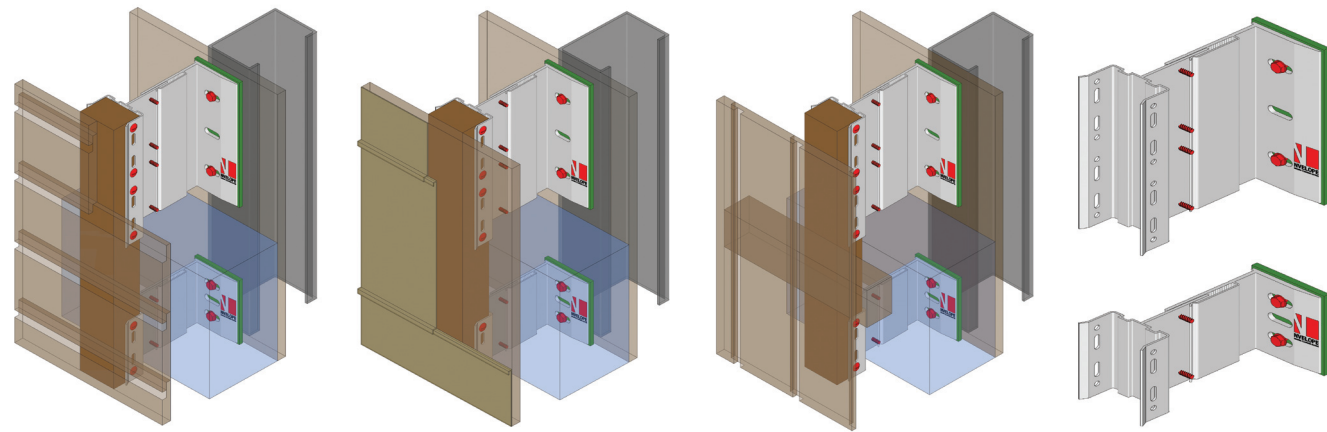
[L]. 60 x 40mm

[T]. 40 x 100 / 60 x 80 / 60 x 120 / 60 x 140mm

NV5 (ts300) horizontal rail and cleat

**NVELOPE isolators:** included as standard

## NV6



### FEATURES

NV6 is the NVELOPE system for supporting a timber batten – vertical cladding applications (to support vertical and/or horizontal cladding elements).

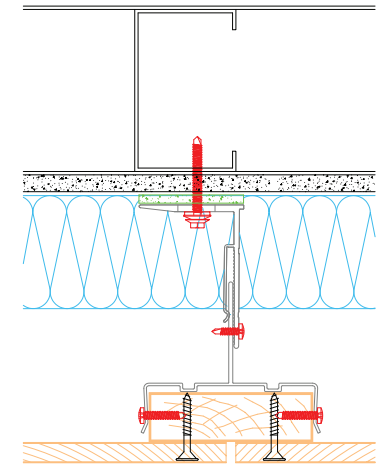
timber batten can be used to support timber cladding/ weatherboarding and ply (used as a substrate for other materials, e.g metal).

concealed fix system, utilising NVELOPE ‘helping hand’ brackets plus NVELOPE carrier.

NVELOPE flexible point brackets absorb wind loading and allow for expansion and contraction.

NVELOPE fixed point brackets absorb both vertical and dead loads.

NVELOPE bracket spacing is determined by cladding options such as the dimensions and weight of the façade cladding, local wind loads, cladding zone and substrate.



## MORE ABOUT NV6

### SUPPORT

**vertical timber cladding:** vertical timber bearers are supported with NVELOPE carriers fixed back to NVELOPE support brackets.

**horizontal timber cladding:** vertical timber bearers are supported with NVELOPE carriers fixed back to NVELOPE support brackets, then counter battened.

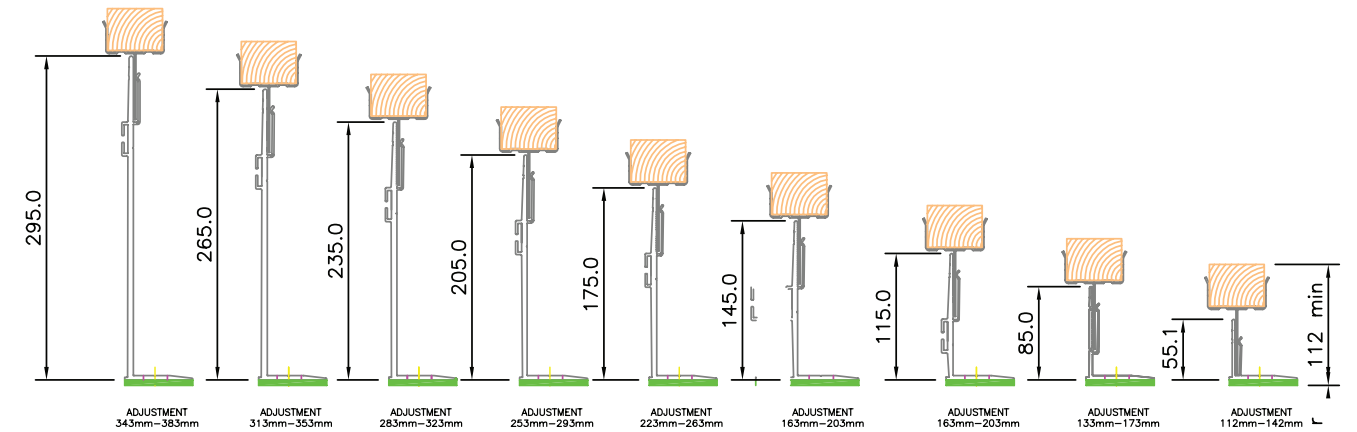
### USAGE

suitable for the support of vertical or horizontal timber rails or timber boarding, to which timber cladding, weatherboard panels, boards, or panels made to support other materials, e.g. copper, zinc, etc. may be attached.

the bracket assembly provides a suitable element for the fixing of timber bearers or battens where medium to large cladding zones are required.

NVELOPE carriers are available in these sizes - 50mm and 80mm and 100mm.

NVELOPE carriers also available in single (S) and double (D) version.



\* stand off assuming 'typical' 38mm depth timber battens.



## AS STANDARD

### material:

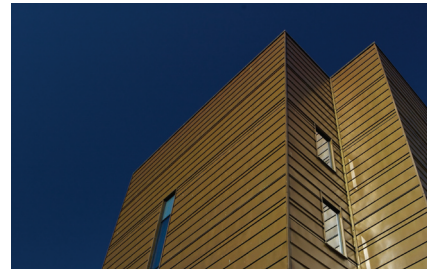
manufactured from extruded aluminium alloys conforming to EN 573-3 (material) and EN 755 standard.

## APPROVALS

british board of agreement (BBA) - 09/4678

## TECHNICAL SPEC.

download NV6 technical spec from [nvelope.com](http://nvelope.com)



## OPTIONS

### NVELOPE brackets (V):

allows adjustment between face of primary support to outer face of vertical profile. (assuming 60mm profile leg).

[60].	adjustment from 103mm min to 143mm max	single/double - 6.5mm holes/11.0mm holes*
[90].	adjustment from 135mm min to 173mm max	single/double - 6.5mm holes/11.0mm holes*
[120].	adjustment from 165mm min to 203mm max	single/double - 6.5mm holes/11.0mm holes*
[150].	adjustment from 195mm min to 233mm max	single/double - 6.5mm holes/11.0mm holes*
[180].	adjustment from 225mm min to 263mm max	single/double - 6.5mm holes/11.0mm holes*
[210].	adjustment from 255mm min to 293mm max	single/double - 6.5mm holes/11.0mm holes*
[240].	adjustment from 285mm min to 323mm max	single/double - 6.5mm holes/11.0mm holes*
[270].	adjustment from 315mm min to 353mm max	single/double - 6.5mm holes/11.0mm holes*
[300].	adjustment from 345mm min to 395mm max	single/double - 6.5mm holes/11.0mm holes*

\* 6.5mm holes (suitable for steel and/or timber substrates)/11.0mm holes (suitable for block/concrete substrates).

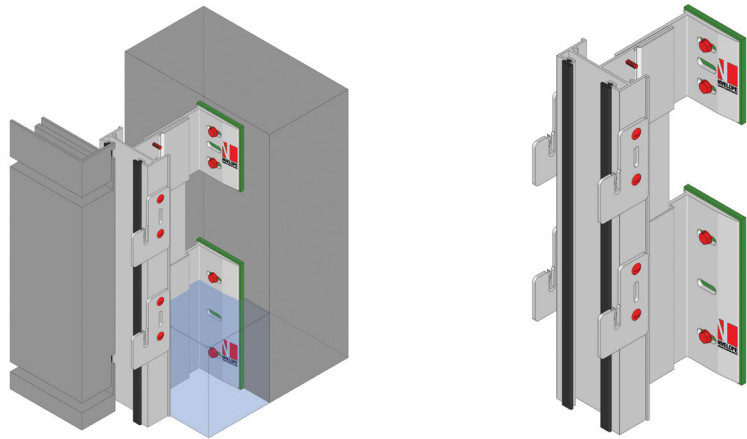
### profiles:

[L]. 60 x 40mm

[T]. 40 x 100 / 60 x 80 / 60 x 120 / 60 x 140mm

NVELOPE isolators: included as standard

## NV7



### FEATURES

NV7 is the NVELOPE system for secret fix 'cassette' (ACM/zinc/aluminium) – vertical cladding applications.

secured using 'cassette' hangers to provide a concealed fixing.

NVELOPE 'T' and 'L' profiles are fixed using NVELOPE 'helping hand' support brackets, fixed through a series of fixed and flexible points.

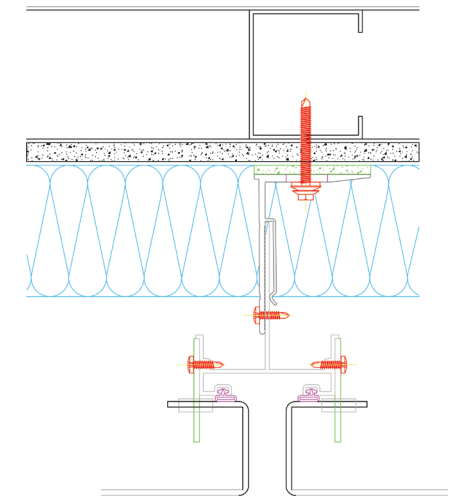
NVELOPE fixed point brackets absorb both vertical and dead loads.

NVELOPE bracket spacing is determined by cladding options such as the dimensions and weight of the façade cladding, local wind loads, cladding zone and substrate.

NVELOPE flexible point brackets absorb wind loading and allow for expansion and contraction.

### USAGE

NV7 is suitable for supporting 'cassette' formatted façade panels.



## MORE ABOUT NV7

### AS STANDARD

**material:**

manufactured from extruded aluminium alloys conforming to EN 573-3 (material) and EN 755 standard.

### APPROVALS

british board of agreement (BBA) - 09/4678

### TECHNICAL SPEC.

download NV7 technical spec from [nvelope.com](http://nvelope.com)

### OPTIONS

**NVELOPE brackets (V):**

allows adjustment between face of primary support to outer face of vertical profile. (assuming 60mm profile leg).

[60].	adjustment from 146mm min to 186mm max	single/double - 6.5mm holes/11.0mm holes*
[90].	adjustment from 176mm min to 216mm max	single/double - 6.5mm holes/11.0mm holes*
[120].	adjustment from 206mm min to 246mm max	single/double - 6.5mm holes/11.0mm holes*
[150].	adjustment from 236mm min to 276mm max	single/double - 6.5mm holes/11.0mm holes*
[180].	adjustment from 266mm min to 306mm max	single/double - 6.5mm holes/11.0mm holes*
[210].	adjustment from 296mm min to 336mm max	single/double - 6.5mm holes/11.0mm holes*
[240].	adjustment from 326mm min to 366mm max	single/double - 6.5mm holes/11.0mm holes*
[270].	adjustment from 356mm min to 396mm max	single/double - 6.5mm holes/11.0mm holes*
[300].	adjustment from 386mm min to 426mm max	single/double - 6.5mm holes/11.0mm holes*

\* 6.5mm holes (suitable for steel and/or timber substrates)/11.0mm holes (suitable for block/concrete substrates)

\* includes/incorporates a cassette depth of 50mm

**profiles:**

[T]. cassette 'T' - 72mm wide x 92mm front to back (78mm 'leg')

**NVELOPE isolators:** included as standard





**WE ARE HIGHLY EXPERIENCED AND UNDERSTAND THE REQUIREMENTS OF OUR CLIENTS. WE CONTINUALLY PUSH BOUNDARIES TO OFFER UNPARALLELED PRODUCT, SERVICE AND PRICE. WE DON'T STOP THERE THOUGH - WE ENHANCE OUR PROPOSITION WITH INITIATIVES AND SOLUTIONS THAT SAVE OUR CLIENTS TIME, EFFORT AND HASSLE. WE ARE A TOTAL CLADDING SUPPORT SYSTEM - WITH EMPATHY AND UNDERSTANDING OF OUR CLIENTS' NEEDS.**

NVELOPE would like to thank the following companies for their permission to use the pictures featured in this brochure:  
CDW ltd, kovara projects ltd, LSC ltd, NG developments ltd, vivalda ltd.



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