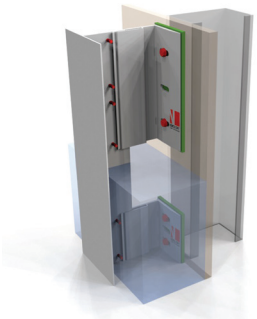
NVELOPE
MAKING CLADDING HAPPEN

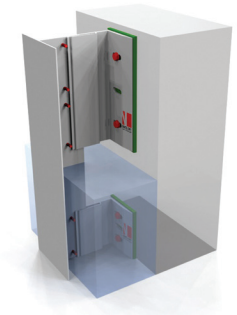
NVELOPE Installation Guide
NV1 System

Application

The NV1 system is used for face-fastened fastener attachment of facade panels, using SFS fasteners or rivets. NV1 is also the base system for all other facade panel attachment configurations using NVELOPE systems NV2-NV8.



Steel Stud Substrate



Concrete Substrate

System Components

Brackets

Single Bracket

Double Bracket

Rails

L Rail

T Rail

Fasteners

Bracket to Rail
#10 x 3/4"

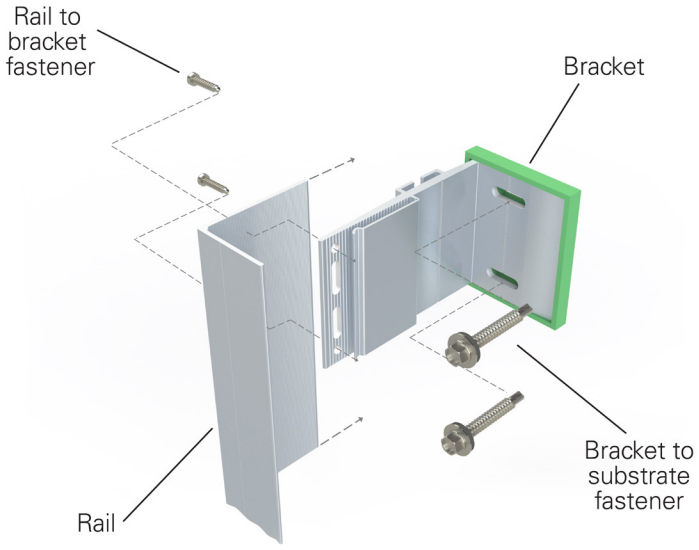
Steel Substrate
#14 x 2" S3

Wood Substrate
6.5mm x 2"

Concrete Substrate
#10 with anchor

Note: Bracket for mounting to steel or wood substrates shown. Brackets for concrete available but not shown.

Typical Installation Orientation



Note: facade and substrate not shown.

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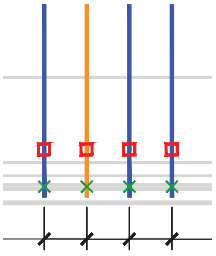
NV1 System

Installation Sequence

Installation locations must be in accordance with approved shop drawings.



Typical Shop Drawing

Shop drawing symbol indicates fixed point bracket location

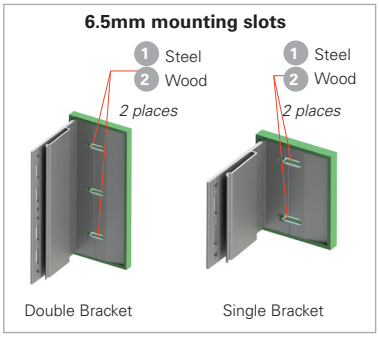
Shop drawing symbol indicates sliding point bracket location

Step 1 - Bracket Attachment - Steel, Wood, or Concrete Substrates

Fasteners

1 To steel #14 x 2" S3

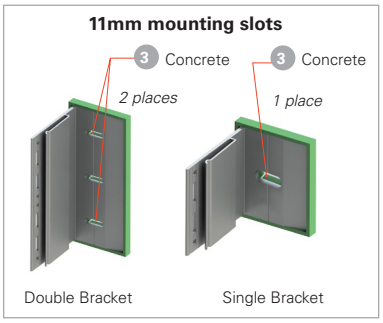
2 To wood 6.5 x 2"



Steel or wood substrate

Fasteners

3 To concrete #10 with anchor



Concrete substrate

Steel or Wood Substrate
Double Bracket

Concrete Substrate
Single Bracket

Note: Use SFS recommended stainless steel fasteners only.

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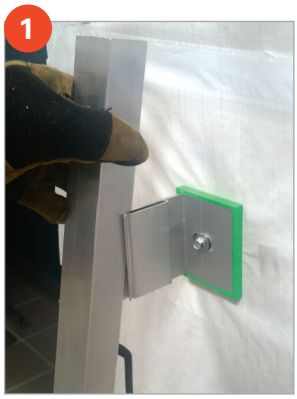
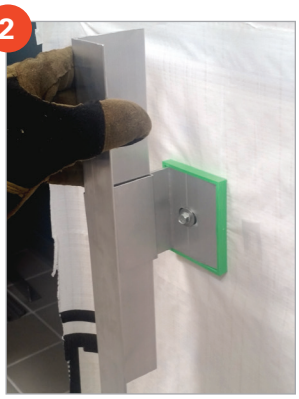
Step 2 - Rail Attachment to Bracket

1



Install rail into bracket

2



Set depth of installation of rail into bracket based on wall cavity depth

3

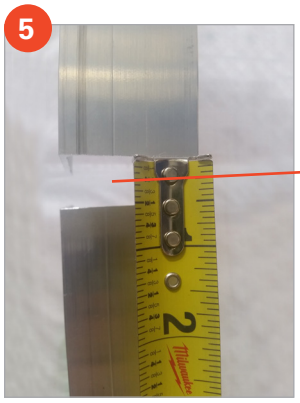
Level rail as required

4

Single Bracket "sliding point" install – fasteners in 2 slots

Double Bracket "fixed point" install – fasteners in 4 holes

5



⚠ Never install facade panel across the gap between two rails.

Maintain 1/2" gap between rail ends

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Final Checks

1. All bracket locations are in accordance with approved shop drawings. Fixed point and sliding point brackets identified.

2. Correct fastener types selected to match substrate type (steel, wood, or concrete).

3. Rails are level and plumb within bracket before rail to bracket fastener is installed. Depth of rail in bracket is defined.

4. Four (4) fasteners are used to fasten rail to fixed (double) bracket attachment. Two (2) fasteners are used to faster rail to sliding (single) bracket attachment.

5. 1/2" gap is maintained between rails (end-to-end).

6. Facade panels are not secured across span of gaps between end-to-end rails.

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