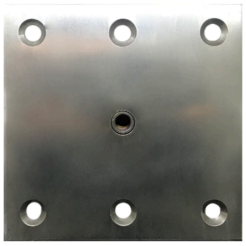
For full installation details, engineering data, & updated specifications, scan the QR code

NB1AC- Installation Guideline

Model: NB1AC
Patent Number: US 10,501,939



Substrate Requirements

The **NB1AC** Mount must be installed into a rigid, structural substrate that meets the project engineer's specifications.

Approved substrates: Wood, Concrete, Steel.

Layout & Pre-Drilling

- Mark attachment locations using a marker on membraned surface.
- Drill holes at each mark using a **1" diameter bit to a depth of 1.25"**.
- Clear debris from all drilled holes.

Dry Fitting

- Apply manufacturers recommended sealant to the underside of **NB1AC**
- Dry fit the **NB1AC** into the pre-drilled holes so the mounts sit flush and aligned on the membrane surface

Fastening to Structure

Fasten down **NB1AC** mount into substrate utilizing all countersunk fastening holes, using:

- **Wood:** Project-engineer-approved #14 stainless steel flat head screws

- **Concrete:** Project-engineer-approved #14 stainless steel flat head screws
- **Steel:** Project-engineer-approved #14 self-tapping screws

---

Port Protection

- Insert port protection caps into the internal threaded ports to **prevent contamination** during waterproofing.

Surface Prep & Waterproofing

- **Scarify** each **NB1AC** mount as per the waterproof flashing manufacturer's recommendations.
- Apply waterproofing per the roofing membrane manufacturer's recommendations.
- After curing, **cut out port protection caps** to expose internal threads.

Washer Placement & Reassembly

1. Place a metal washer with a **minimum thickness of 1/16"** over each port before installing the attachment.
    - Never allow the attachment to sit directly on the membrane
    - Use additional/thicker washers to adjust height as needed.

2. Align and bolt the attachment to the **NB1AC** mounts using:
    - ⅜"-16 bolt
    - Ensure bolt is fully seated in the port without bottoming out
    - Torque to 35 ft-lbs using a hand tool only
    - Medium-strength Loctite recommended
    - Do not use power tools for final tightening

Need Help?

Nill Building Solutions
631-494-6000
info@nillbuildingsolutions.com
www.nillbuildingsolutions.com