ARCHITECTURAL SPECIFICATION INFORMATION

Pos-i-Tie® and Thermal Clip®

Eliminates Thermal Shorts

Designed exclusively for: The Original Pos-i-Tie® Veneer Anchoring System

- ThermalClip® creates a break in the thermal transfer between the veneer wire tie and the barrel.
- ThermalClip® allows for use of dissimilar metals between the veneer anchor and barrel screw.
- The Pos-i-Tie® ThermalClip® system fully complies with all code requirements.
- Offers efficient labor and cost-saving installation.
- Safe to install. No “spinning wings” that can potentially cause damage to fingers.
- Pos-i-Tie® Barrel section is made of Zamac 3, a 92% zinc alloy which is highly resistant to corrosion. No need for stainless barrels in the backup wall.
- Allows for use of 4’ x 8’ insulation sheets. The Pos-i-Tie® holds the insulation in place!
- EPDM washer completely seals the hole blocking ALL air and moisture penetration. There is no need for an internal washer.
- Pullout & compression loads exceed code requirement.

Steel Stud Backup Wall Application

- Drills directly through insulation, vapor barrier and dens glass sheathing to the steel stud backup.
- EPDM washer completely seals the hole blocking ALL air and moisture penetration.
- Tested and passed E-331 moisture and vapor barrier test.

Concrete/CMU Backup Wall Application

- This application can be used with Concrete, CMU, ICF, Wood, and Brick backup walls.
- Pre-drill pilot hole using the Con-Drive® Adapter and drill bit as explained in the INSTALLATION section.

MADE ENTIRELY IN USA
Pos-I-Tie® ThermalClip® Installation

1. Install the Original Pos-I-Tie® into the backup wall using a chuck adapter and power drill.
2. Insert the ThermalClip® as shown and fold over the head of the Original Pos-I-Tie® Anchor.
3. The ThermalClip® is secured when both sides are snapped into place.
4. Insert the pintle wire tie or stone anchor into the two holes of the ThermalClip®.

Composite Resin Material:
- High strength composite resin acts as a thermal break between the wire tie and the Barrel Screw.
- The proprietary composite resin has very low thermal conductivity; over 100 times less than metals such as steel.
- Flame resistant with a UL 94 V-0 rating
- Meets “freeze-thaw” conditions
- No reaction with alkalines in mortar

Screw Types
- 3 types of screws for various types of backup walls.
- Concrete / CMU
- ICF / Wood Screw
- Steel Stud Screw
- Structural Steel Screw

Thermal Testing
- Thermal break head transfers less heat from inside to outside
- Reduces the impact of the steel connector thermal short
- May improve overall wall system R-value 1% to 3%

Barrel Lengths
- The Original Pos-I-Tie® is available in 9 Barrel Lengths - from 5/8” to 4-1/2”

Wire Ties & Stone Anchors
- #282-N Double Pintle Wire Ties:
  - 3/16” diameter x 3”, 3-1/2”, 4” & 5”. Special Lengths are available.
  - Seismic Clip available.
  - Hotdip After Fabrication, Stainless Steel.

- #78 Stainless Steel Pintle Stone Anchors:
  - 1/8” thick x 2” wide. Made to Order.
  - See Pos-I-Tie® KeyBolt for heavier applications.