HECKMANN™ Building Products
Div. of Mechanical Plastics Corp.
www.heckmannanchors.com

Informational Product Sheet
#75 Original Pos-I-Tie® System
#75TC Pos-I-Tie® ThermalClip®

The Original Pos-I-Tie® is a two-piece masonry veneer anchoring system consisting of a barrel screw and a looped triangle wire tie. It is installed after the insulation is in place.

The barrel screw penetrates the insulation/gypsum to provide a solid connection with the backup wall for transfer of lateral loads while sealing the exterior hole with an EPDM washer and an optional continuous insulation washer.

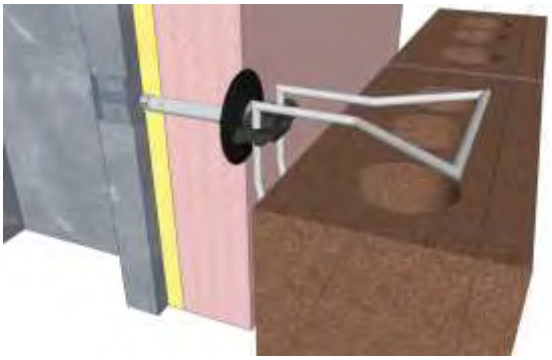
The Pos-I-Tie® ThermalClip® snaps onto the barrel providing a thermal transfer break between the tie and the barrel. The pintle wire tie is inserted into the clip and provides 1-1/4" of vertical adjustment above or below the barrel.

The Pos-I-Tie® Original and ThermalClip® systems are fully compliant with the TMS 402 Building Code for Masonry Structures and the International Building Code.

The Pos-I-Tie® system has passed ASTM E23457 and E331 Air Leakage and Water Resistance tests and ASTM E119 Structural Fire Resistance test and NFPA 285 Standard Fire Test Method for Evaluation of Fire Propagation with the CavityComplete® wall system.

Introduced in the mid 1980's, the Pos-I-Tie® was the first barrel screw veneer anchor.

The Original Pos-I-Tie® System



The Pos-I-Tie® ThermalClip® System

Two Screw Styles

Self Drilling screw for Steel Stud backup walls (18 gauge - 12 gauge studs)

CMU/Concrete/Precast/ICF/Wood screw. CMU, Concrete, Precast and ICF require pre-drilling a 3/16" dia hole 2" deep into the backup. Wood Stud backups do not require pre-drilling.

Non-standard extra-long steel stud screw available for plywood/OSB or double layer of gypsum board over the steel stud.

Material Specifications

Barrel: ASTM B86 (92% Zinc Alloy)
Screw: ASTM A510 (Carbon Steel)
ASTM C954 (1000 hr polymer coating)
Wire Tie: Stainless – ASTM A580 AISI Type 304.
Plain – ASTM A82/A82M Tensile 80KSI Yield – 70KSI.
Hotdip Galvanized: ASTM A 153 Class B-2: (1.50 oz/ ft^2.)(0.46kg/m^2)
ThermalClip®: Enviroplas® ENV48-10809 Polysulfone (PSU)

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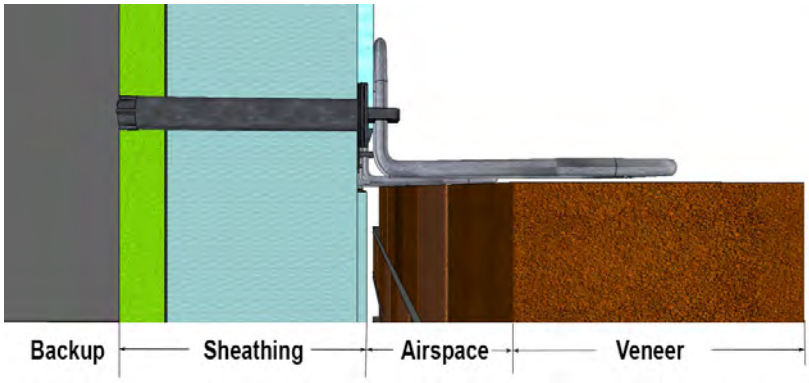
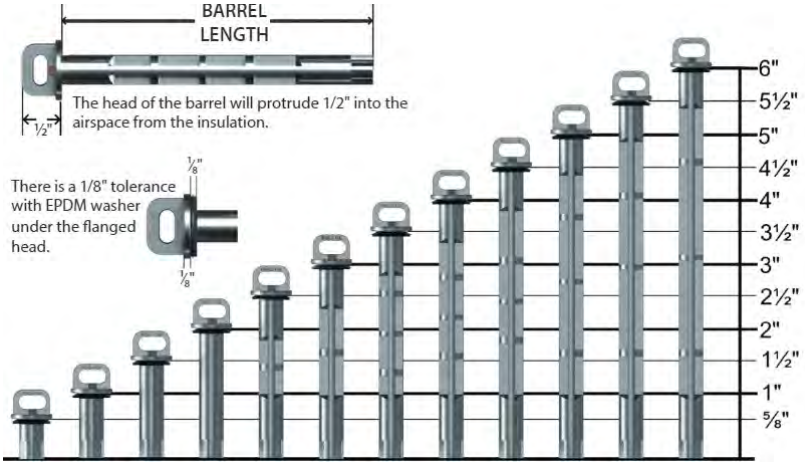
Determining the correct barrel length:

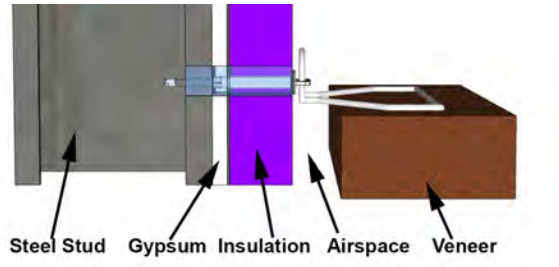
The Pos-I-Tie® Barrel Screw will cut through insulation and gypsum board but not through OSB and Plywood. The barrel length will be a combination of the insulation and the gypsum. There is a 1/8" tolerance in the EPDM washer under the barrel head that will seal the hole with 1/2" gypsum and dimple into the insulation for 5/8" gypsum.



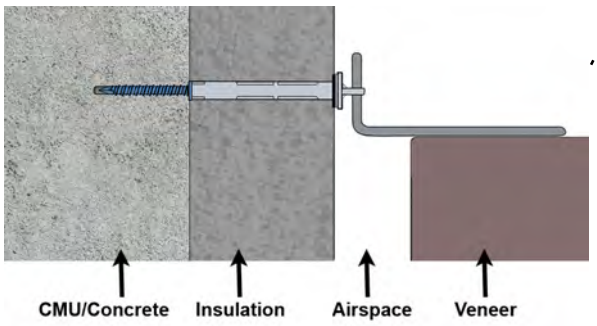
The Barrel Screw can penetrate polyiso/XPS insulation and gypsum board. The barrel lengths will be a combination of the gypsum and sheathing thickness. Some exterior insulation products with metal or wood on the exterior face may require pre-drilling a hole in the insulation exterior.



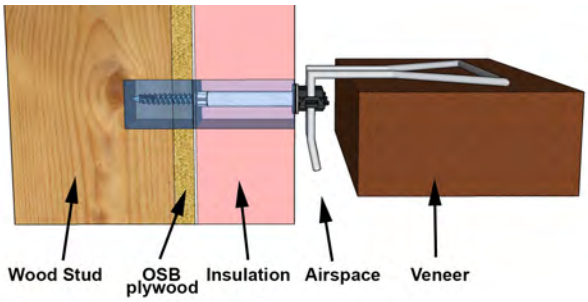
Custom factory-installled extensions are available for longer barrel lengths. Available in 1/2" increments.



Steel Stud backup – Pos-I-Tie® Barrel Screw penetrates gypsum sheathing and insulation



Concrete, CMU, and ICF require a pre-drilled 3/16" diameter hole drilled 2" deep before the barrel installation.



Wood Stud backup with OSB – Pos-I-Tie® Barrel Screw penetrates Insulation Only

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