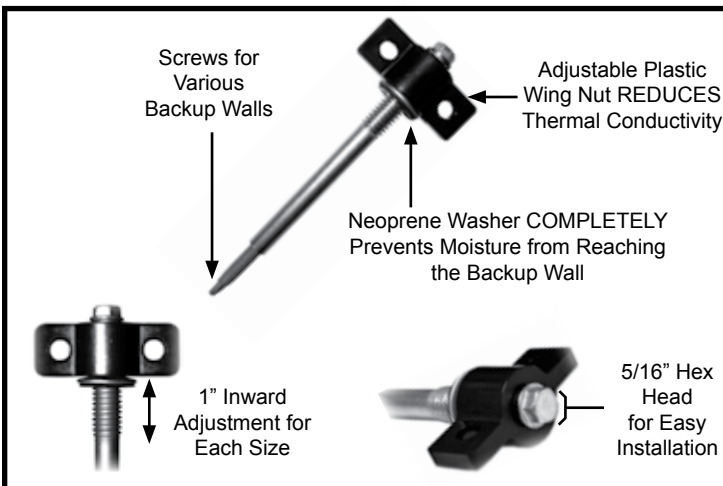
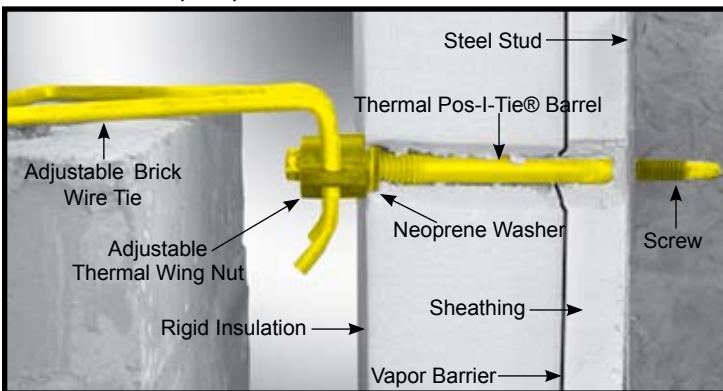


ARCHITECTURAL SPECIFICATION INFORMATION

THE THERMAL POS-I-TIE®

U.S. Patent # 7,415,803



NO. 77 THERMAL POS-I-TIE® FEATURES:

1. The thermal break is created by the Thermal Wing Nut, made from a high quality proprietary plastic material which decreases the thermal transfer through the rigid insulation. It has very low thermal conductivity, over 100 times less than metals such as steel.
2. The plastic wing nut is highly flame resistance with a UL 94 V-0 rating.
3. Refer to ACI 530 Code Veneer Chapter section 6.2.1. Alternative design of anchored masonry veneer.
4. U-Seal Technology™ allows up to 3/4" inward adjustment to fit a variety of combinations of insulations and sheathing, and creates a water-tight seal preventing moisture from reaching the backup wall.
5. Easy installation with standard 5/16" hex socket. NO special adapters required. Front loading of Pintle Wire Tie to save time and labor.
6. Barrel screws available for steel stud, concrete, CMU, ICF, brick and wood backup walls.
7. The Pintle Wire Tie style allows for full vertical adjustment of up to 1 1/4" up or down for easy and proper embedment in mortar bed.
8. The Pintle Wire Tie can be furnished with a seismic clip, where required.
9. Provides positive lateral support directly against the backup wall.
10. Delivers a two-pronged symmetrical and flexible connection, which allows differential thermal expansion. and bending.
11. Available in Zinc Plated Carbon Steel or Stainless Steel.

Contact us or visit www.HECKMANNANCHORS.com for more information and test data

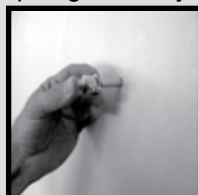
Installation Instructions for the Wing Nut Pos-I-Tie® to steel studs:

*Always wear eye protection.

*When using drill, keep fingers away from rotating wing nut.



1. Line Up screw at stud location



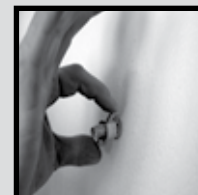
2. Push screw into insulation as far as possible with your hand



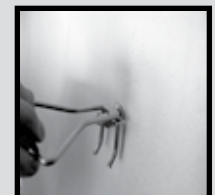
3. Use a standard drive for 5/16 hex head



4. Drill into stud at approximately 2000-2500 RPM



5. Hand tighten Wing Nut until washer dimples into the insulation



6. Install Pintle Wire Tie



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Architectural Specification

Part 2 Products

2.01 Manufacturer

Heckmann Building Products, Inc. - 1501 N. 31st Avenue - Melrose Park, IL 60160-2911
 Phone: 800-621-4140 Fax: 708-865-2640

2.02 Masonry Veneer Anchors and Ties

A. The Thermal Pos-I-Tie® Anchor Assembly shall consist of:

Co-polymer coated, one-piece carbon steel screw factory assembled to a [type 304 stainless steel] [zinc coated] barrel with a plastic wing nut and a metal backed neoprene washer. The barrel anchor overall length to be [2"] [2-5/8"] [3-1/8"] [3-5/8"] [4-1/8"] [4-5/8"] [5-1/8"] [5-5/8"] to suit wall construction composed of [specify sheathing thickness] [specify insulation thickness] [specify airspace].

B. Pintle Wire Tie to be made of 3/16" diameter wire and to have overall length of [3"] [3-1/2"] [4"] [5"] [specify custom tie length]. The wire tie to be [Hot dip Galvanized conforming to ASTM A 153 Class B-2], [Mill Galvanized conforming to ASTM A 641], [Stainless Steel conforming to ASTM A 580 Type 304]. Embed wire ties a minimum of 1-1/2" into the veneer masonry wall mortar bed, with at least 5/8" mortar or grout cover to the outside face.

Determining the Proper Wing Nut Pos-I-Tie® Length:

Add up the thickness of the sheathing (insulation + gypsum board). This will be the number that falls between the "Adjustable sheathing dimensions - gray shaded" area on the chart. Add in your airspace and make sure the total distance from the backup to the start of the veneer is less than the overall length of the screw from the backup. If two screws fit the criteria, choose the shorter overall length screw.

Wing Nut Pos-I-Tie® Length Chart								
6"	5"	4"	3"	2"	1"	Backup		
							Overall length of screw from backup	
							Adjustable sheathing dimensions from backup (gray shaded)	
							2" (51mm)	1/2" - 1-1/4" (13mm-32mm)
							2-5/8" (67mm)	1" - 2" (25mm-51mm)
							3-1/8" (79mm)	1-1/2" - 2-1/2" (38mm-64mm)
							3-5/8" (92mm)	2" - 3" (51mm-76mm)
							4-1/8" (105mm)	2-1/2" - 3-1/2" (64mm-89mm)
							4-5/8" (117mm)	3" - 4" (76mm-102mm)
							5-1/8" (130mm)	3-1/2" - 4-1/2" (89mm-114mm)
							5-5/8" (143mm)	4" - 5" (102mm-127mm)

Example: 5/8" Dens-glass with 2" insulation and 2" airspace. Sheathing thickness is 2-5/8". Distance from backup to start of veneer is 4-5/8". Both the 3-5/8" screw and the 4-1/8" screw fit the criteria. Specify the 3-5/8" long screw.