

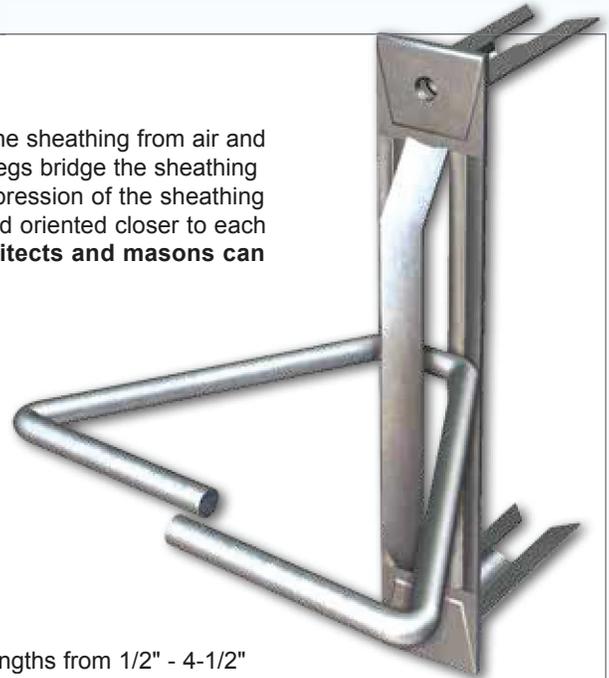
SELF-SEALING VENEER ANCHORS

X-SEAL® ANCHOR

The X-SEAL® Anchor features a patented pronged leg design that seals the sheathing from air and moisture while maintaining integrity of the air/vapor barrier. The pronged legs bridge the sheathing and abut the steel stud, affording independent, positive anchorage. Compression of the sheathing by positive loads is also prevented. The pronged legs are rib-stiffened and oriented closer to each other, enhancing the compressive strength by over 20%. **Owners, architects and masons can be confident in over 3 decades of proven strength and performance.**

Features:

- Capable of withstanding 100# working loads in tension & compression without deforming or developing play in excess of 0.05".
- Provides 100% protection against separation of wire tie from anchor (See Code TMS 402-13/ACI 530-13/ASCE 5-13).
- Pronged legs seal sheathing from air & moisture infiltration while maintaining integrity of the air/vapor barrier.
- Installed before the veneer allowing for easy on-site inspection.
- Secures Insulation to the backup better than staples or screws.



Dimensions: Available in leg lengths from 1/2" - 4-1/2" to accommodate wallboard and/or insulation

Finishes: Hot Dipped Galvanized or Stainless Steel Type 304

U.S. Patents: 6,925,768; 6,941,717; 7,587,874; 7,845,137 & 7,562,506

Canadian Patents: 2,458,008 & 2,458,012

Other Patents Pending.

NOTE: For added security against moisture infiltration, Hohmann & Barnard recommends using a **continuous strip of X-SEAL TAPE** over the insulation before installing the X-SEAL Anchor.



Anchors on pages 12-13 meet or exceed requirements of the **Commonwealth of Massachusetts State Building Code** for air leakage and water penetration. Contact H&B's technical department for test results.

2-SEAL™ TIE

An innovative single-screw veneer tie for metal stud construction. Fabricated from Zamac zinc with a premium quality organic polymer coating, the 2-Seal™ Tie has a **dual-diameter barrel with factory-installed EPDM washers to seal both the face of the insulation and the air / vapor barrier.** This is an improvement over single barrel types which only seal at the insulation and render the vapor barrier susceptible to air and moisture infiltration if not precisely installed (perfectly perpendicular to the stud).

The dual-barrel has an integrated #12 self-drilling screw, and is available for insulation/wallboard (sheathing) sizes from 5/8" - 4" thick. The projecting eyelet accepts the **2-Seal™ Byna-Lok Wire Tie.**

Barrel portion available in 5/8", 1", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4" and 4-1/2" lengths to accommodate insulation/wallboard (sheathing). The polymer coated barrel allows stainless steel or hot dipped galvanized wire ties to be used; preventing a galvanic reaction from dissimilar metals.

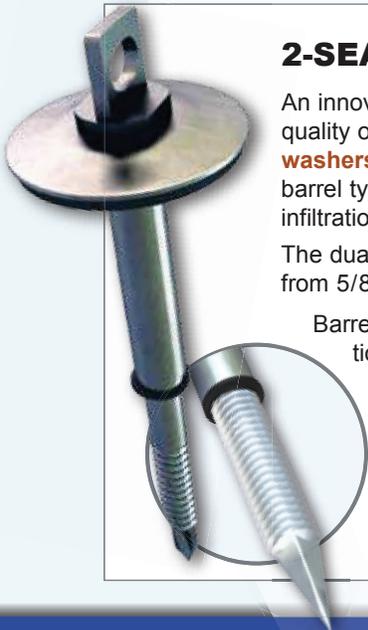
For wood or concrete masonry applications please use Concrete 2-Seal™ Tie.
For steel stud with wood or gypsum sheathing, use Standard 2-Seal™ Tie.

U.S. Patent: 8,037,653

CAN. Patent: 2,690,819

Other Patents Pending.

Installation chuck adapter sold separately.



WIRE

MATERIALS:

Carbon steel wire: ASTM A1064/A1064M
(Tensile Strength - 80,000 psi)

Steel wire for masonry joint reinforcement:
ASTM A951/A951M - TMS 402-13/ACI 530-13/ASCE 5-13

FINISHES:

Brite Basic:
no coating

Mill Galvanized:
ASTM A641/A641M (0.1 oz/ft²)
ASTM A641/A641M (0.4 oz/ft²) and ASTM A641/A641M
(0.8 oz/ft²) available on special order

Hot Dipped Galvanized:
ASTM A153/A153M-B2 (1.5 oz/ft²)

Stainless Steel:
ASTM A580/A580M - AISI Type 304 (316 on special order)

DIAMETER:

9 Gauge (.148" or W1.7)
3/16" (.187" or W2.8)

SHEET STEEL ITEMS

MATERIALS:

Carbon Steel Sheets: ASTM A1008/A1008M

FINISHES:

Mill Galvanized:
ASTM A653/A653M Class G60 (0.6 oz/ft²)

Hot Dipped Galvanized:
ASTM A153/A153M-B2 (1.5 oz/ft²)

Stainless Steel:
ASTM A666, ASTM A480/A480M, and
ASTM A240/A240M – AISI Type 304 (316 on
special order)

HOHMANN & BARNARD recommends using type 304 or 316 Stainless Steel in all building projects to protect against corrosion and limit thermal transfer in the wall cavity. Please visit www.h-b.com for the most up to date technical information.

EFFECTIVE STEEL AREA (IN²)

	4" wall	6" wall	8" wall	10" wall	12" wall	14" wall	16" wall
#120 Truss							
Standard - 9ga. S/R x 9ga. C/R	.051	.050	.048	.047	.045	.044	.043
Extra Heavy - 3/16" S/R x 9ga. C/R	.072	.071	.069	.068	.066	.065	.064
Super Heavy Duty - 3/16" S/R x 3/16" C/R	.073	.072	.070	.069	.067	.066	.065
#220 Ladder							
Standard - 9ga. S/R x 9ga. C/R	.0345	.0345	.0345	.0345	.0345	.0345	.0345
Extra Heavy - 3/16" S/R x 9ga. C/R	.0554	.0554	.0554	.0554	.0554	.0554	.0554
Super Heavy Duty - 3/16" S/R x 3/16" C/R	.0554	.0554	.0554	.0554	.0554	.0554	.0554

IMPORTANT: Since each construction project is unique, the appropriate selection and use of any product contained herein must be determined by competent architects, engineers and other appropriate professionals who are familiar with the specific requirements of the project in question.

This catalog is intended as a design aid for use in North America, and on projects world-wide where North American design parameters have been used.

The information in this catalog is provided in good faith. However, anchor and tie adequacy can be adversely affected by on-site workmanship and varying conditions in different geographic locations for which Hohmann & Barnard can accept no responsibility. Similarly, should Hohmann & Barnard products be used in conjunction with channels or components from other manufacturers, there can be no guarantee of performance.

All application illustrations shown in the catalog are for guidance only and should not be taken as working drawings. Hohmann & Barnard reserves the right to amend, withdraw or to make changes to products and specifications at anytime without written notice to customers, designers and users.

It is the policy of Hohmann & Barnard to work with designers, engineers and contractors in providing suggestions and advice for the satisfactory solution of anchoring problems. However, all advice and drawings provided are subject to the approval of the design team, contractor and structural engineer, who take ultimate responsibility for proper product usage.