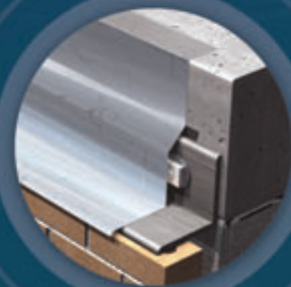


BLOK-LOK

A HOHMANN & BARNARD COMPANY

2010 CATALOG

**YOUR NORTH AMERICAN SUPPLIER OF
MASONRY REINFORCEMENT SYSTEMS,
ANCHORS & WALL TIES,
STONE ANCHOR SYSTEMS,
REPAIR & RESTORATION SYSTEMS,
AND ENGINEERED SOLUTIONS**



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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. For more information see our website at www.blok-lok.com

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MASONRY SYSTEMS

SECTION A



TCU - Brown Lupton University Union This 145,000 square foot building features a distinctive brick pattern combined with a limestone trim. The pattern is achieved by utilizing bricks ranging in color from yellow to buff to tan. Various products, including joint reinforcement and stone anchors were used to tie the brick to the steel stud and CMU backup. The building is harmonious with other buildings on the campus, and includes a dining facility, an auditorium, a student organization space and a 5-storey clock tower. Texas Christian University is located in Fort Worth, Texas.

BLOK-LOK[®] MASONRY JOINT REINFORCEMENT



Joint reinforcement is installed in horizontal mortar joints of masonry for shrinkage stress control. For joint reinforcement to effectively distribute stress it must be adequately bonded through the mortar so that the masonry and reinforcement act together. Table A (page 5) shows wire size and properties for steel joint reinforcement material.

BL-10

Ladder-type reinforcement is designed to be embedded in the horizontal mortar joints of masonry walls. It consists of two parallel side rods with cross rods welded at 16" (400 mm) O.C. Overall measurement (side-to-side rod) is approximately 2" (50 mm) less than the nominal wall thickness.

BL-11

Ladder-type reinforcement designed to be embedded in the horizontal mortar joints of composite, veneer and cavity masonry walls. It consists of three parallel side rods with cross rods welded at 16" (400 mm) O.C. Two side rods act as backup masonry reinforcement and the third rod and cross rod act as a continuous tie and reinforcement for the facing.

BL-12

Ladder-type reinforcement designed to be embedded in the horizontal mortar joints of cavity, veneer and composite masonry walls. It consists of four parallel side rods with cross rods welded at 16" (400 mm) O.C. Two side rods act as back-up masonry reinforcement and the other two side rods and cross rods act as a continuous tie and reinforce the other wythe.

BL-21

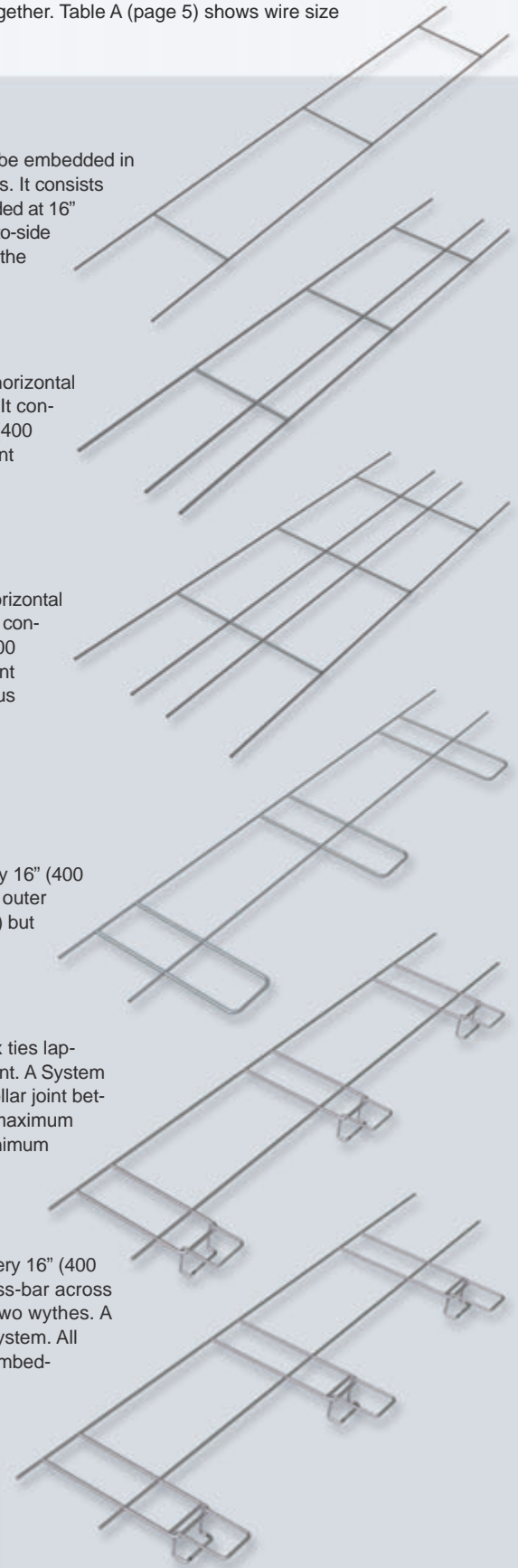
Ladder-type masonry reinforcing with box ties lap-welded every 16" (400 mm) O.C. They extend across the cavity or collar joint into the outer wythe and should be embedded a minimum of 1-1/2" (40 mm) but no closer than 5/8" (16 mm) from the outer face.

BL-40

Ladder-type masonry reinforcing for composite walls with box ties lap-welded every 16" (400 mm) O.C. that extend into the collar joint. A System 2000 wire tie is then engaged to complete the system. The collar joint between wythes should be filled with mortar or grout to achieve maximum strength. Not recommended for use in cavity wall systems. Minimum embedment of tie is 1-1/2" (40 mm).

BL-42

A ladder-type masonry reinforcing with box ties lap-welded every 16" (400 mm) O.C. extending into the cavity. A specially welded cross-bar across the box tie restrains the out-of-plane movement of the two wythes. A System 2000 wire tie is engaged to complete the tie system. All hook ties are 3/16" (4.76 mm) in. dia. Minimum tie embedment is 1 1/2" (40 mm).



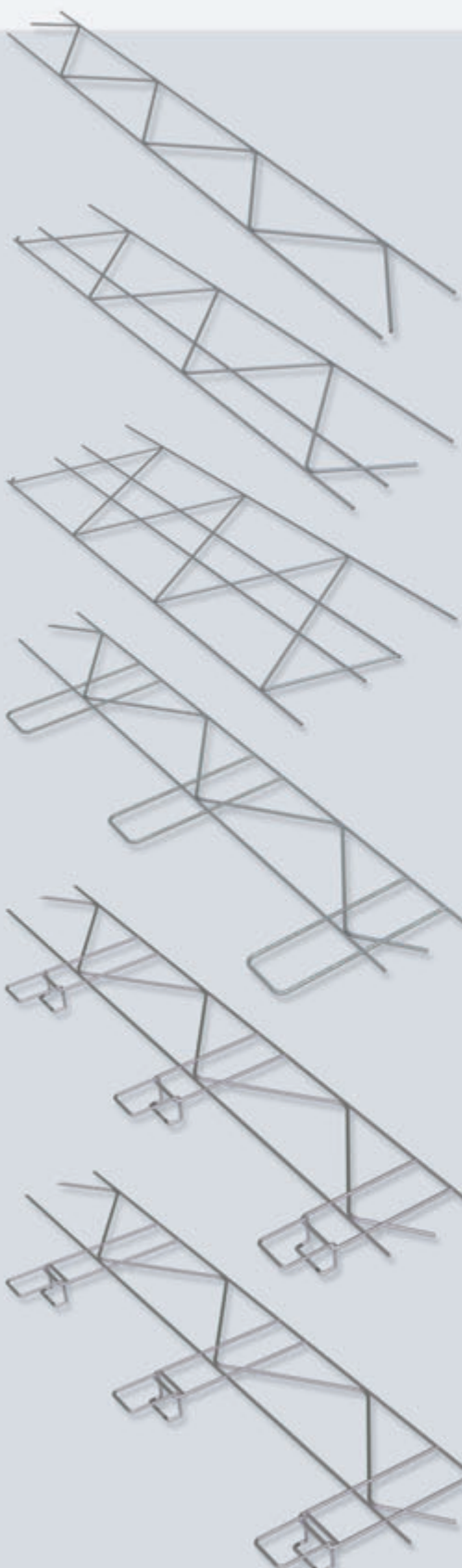
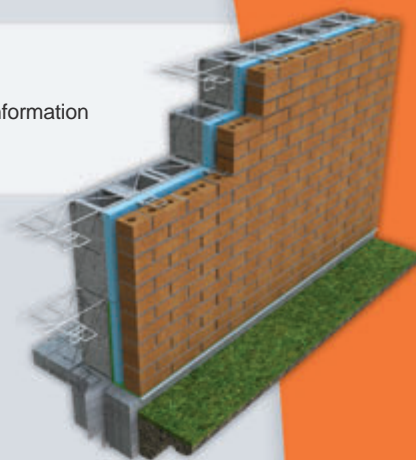
Notes: A. Bed joint alignment for connecting wythes recommended. B. Complies with ASTM C951, ACI 530 for joint reinforcement, CSA standard A370.

Finishes: see page 5

Packaging: 10' (3.048 m) lengths. 25 pieces per bundle.

Fabricated Corners and Tees

It is necessary to designate corners as inside or outside when using cavity wall design. For complete information see www.blok-lok.com.



BL-30

Truss-type reinforcement designed to be embedded in the horizontal mortar joints of masonry walls. It consists of 2 side-rods welded to a continuous diagonally shaped cross-rod forming a truss design with alternating welds not exceeding 8" (200 mm) O.C. overall. For use in single-wythe walls.

BL-31

Truss-type reinforcement consisting of three (3) side-rods welded to a continuous diagonally formed cross rod. For use in composite or cavity walls. Not recommended for insulated cavity walls.

BL-32

Truss-type reinforcing consisting of four (4) side-rods welded to continuous diagonally formed cross rods. For use in double-wythe cavity walls. Not recommended for insulated cavity walls.

ASTM A82 and CSA G30-3 Wire Requirements (for cold drawn steel wire)

Tensile Strength: 80,000 psi

Yield Strength: 70,000 psi

Reduction of Area: 30%

BL-34

Truss-type masonry reinforcing with box ties lap-welded every 16" (400 mm) O.C. They extend across the cavity or collar joint into the outer wythe and should be embedded a minimum of 1-1/2" (40 mm) but no closer than 5/8" (16 mm) from the outer face.

BL-36

Truss-type masonry reinforcing for composite wall consisting of brick/block construction with box ties welded at each intersection and extending into the collar joint of a two wythe wall. A System 2000 tie is then engaged to complete the system. Not recommended for use in cavity wall design. All System 2000 ties are 3/16" (4.76 mm) in diameter and should be embedded a minimum of 1 1/2" (40 mm).

BL-37

Truss-type masonry reinforcing with box ties welded at each intersection and extending into the cavity. A specially welded bar across the box tie restrains the out-of-plane movement of the two wythes. A System 2000 tie is engaged to complete the tie system. All system 2000 type ties are 3/16" (4.76 mm) in diameter and should be embedded a minimum of 1 1/2" (40mm).

BLOK-LOK[®] MASONRY JOINT REINFORCEMENT

Steel wire products are manufactured from a minimum of **95% recycled** material. For Stainless Steel recycled content see page 16. For more information on the recycled content of our products see www.blok-lok.com.



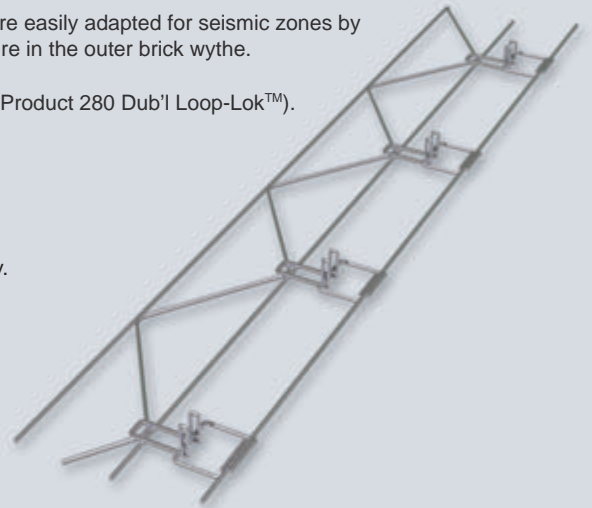
180 - DUB'L LOOP-LOK[™] TRUSS

with Byna-Lok[®] Wire Tie

Truss-type adjustable reinforcement system that provides 100% protection against separation of wire tie from reinforcement. The loops are welded shut to maintain allowable tolerance and system integrity. Unlike horizontal eyelets, vertical loops will not clog with mortar as construction progresses. These loops extend one direction only to allow simple placement of insulation. The system allows in-plane vertical and horizontal movement of masonry wythes while restraining tension and compression.

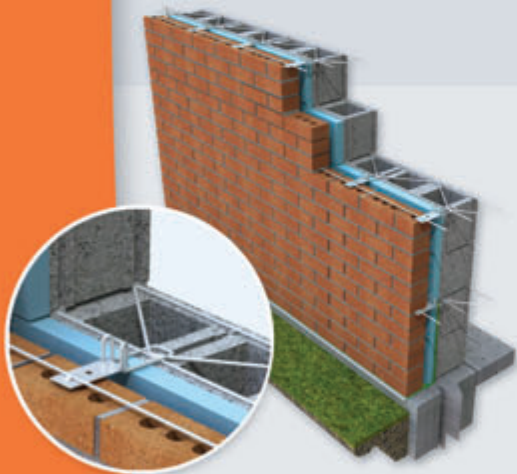
Dub'l Loop-Lok[™] systems are easily adapted for seismic zones by simply adding continuous wire in the outer brick wythe.

Ladder style also available (Product 280 Dub'l Loop-Lok[™]).



Optional Feature: Special Loop with 2-1/2" vertical adjustability. Ideal for Econo or Utility Bricks. Request when ordering.

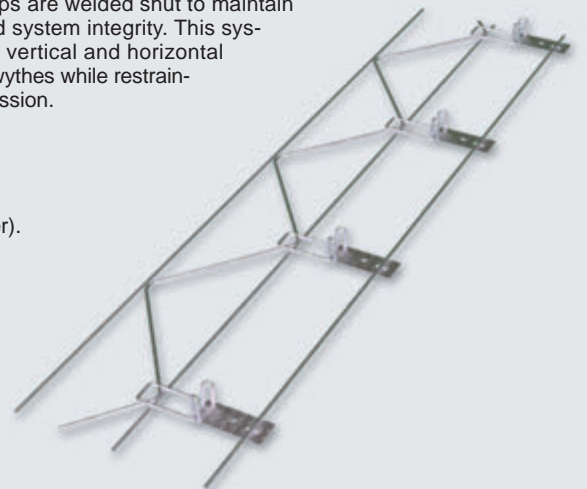
U.S. Pat. Nos. 5,408,798, 5,454,200, 6,279,283, 6,668,505,
6,789,365, 6,851,239, 6,925,768.
Other Patents Pending



185 - GRIP-LOK[™] TRUSS

Combines the Dub'l Loop-Lok[™] truss reinforcement with an interlocking Grip-Lok plate. Grip-Lok T-head is configured to allow simple engagement into Loop-Lok wire, yet prevents disengagement. The heavy-duty plate accepts 9 gauge or 3/16" diameter continuous reinforcing wire for seismic zones. The loops are welded shut to maintain allowable tolerance and system integrity. This system allows for in-plane vertical and horizontal movement of masonry wythes while restraining tension and compression.

Ladder style also available (Product 285 Grip-Lok[™] Ladder).

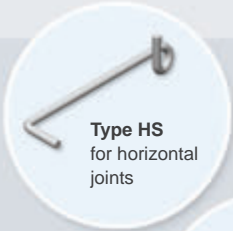


Notes: Complies with ASTM C951, ACI 530 for joint reinforcement, CSA standard A370.

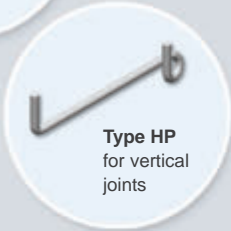
Finishes: Available in Hot Galvanized or Stainless Steel, see page 5.

Packaging: 10' (3.048 m) lengths. 25 pieces per bundle.

ADJUSTABLE SYSTEMS FOR RUBBLE STONE



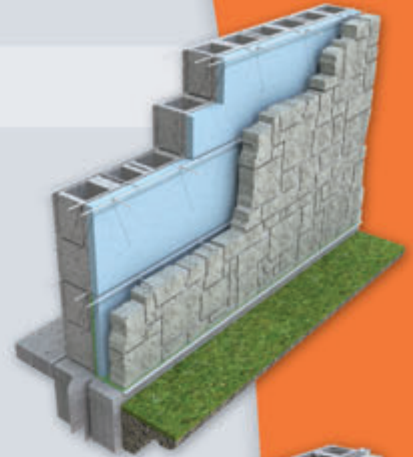
Type HS
for horizontal
joints



Type HP
for vertical
joints

TIE-2R

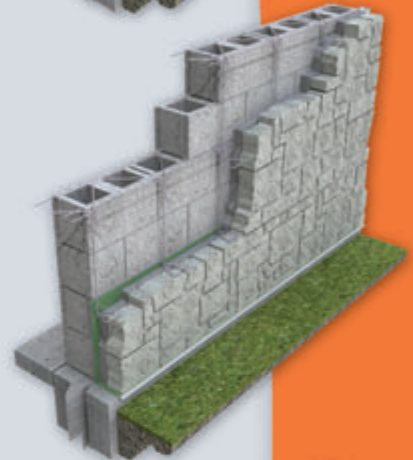
This anchor system for rubble stone walls with masonry back-up allows the mason to place anchors where they are needed. The joint reinforcement has 9 ga. deformed side rods, a 3/16" dia. cross rod and a 1/4" dia. heavy duty side rod projecting into the cavity. To this rod the stone mason attaches Helical Hook Anchors with an easy twist. Anchor Type HS is for horizontal joints and Type HP for vertical joints. Thus, the mason can fit the ties to the wall rather than having to build the wall to fit the ties. In addition, rigid insulation is easily applied between the wythes.



TIE-HVR 190V

In this system, the backup is reinforced with Truss-type reinforcement. The mason then places the vertical rod into the cavity by hooking onto the extended truss cross rod. Rubble stone can then be tied easily to the backup using standard Vee Byna-Ties. Horizontal mortar joints do not have to align.

Note: Tie-HVR 190V is for filled cavity conditions. Only available in Truss style.

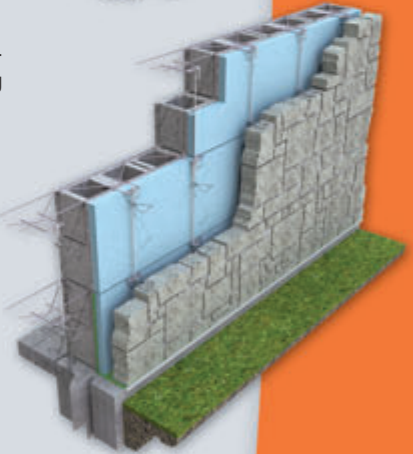


TIE-HVR 195V

This anchor system is for use with cavity or insulated walls. The flexible masonry tie has a pre-drilled hole to accept a vertical J-Hook. This configuration prevents in-and-out movement of the masonry tie, while allowing maximum vertical adjustability. This allows the mason to place the tie wherever the horizontal mortar joint lies.

Available with a welded restraint Flex-O-Lok® for standard 1" cavities or with a modified BLT-345-BT flexible tie for larger cavities.

Note: Ladder style also available (Product Tie-HVR 295V).



TIE-HVR 195VB

This system is ideal for use on concrete backup, metal stud or when masonry backup is already in place, and new veneer is being installed. The L-shaped plate is sized for any thickness of insulation, and has a slotted hole to accept the vertical J-Hook. The flexible masonry tie is the same as used with Tie-HVR 195V, as described above.

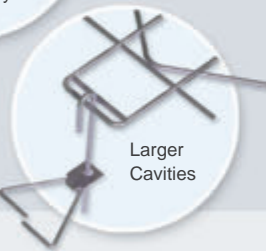
Available with a welded restraint Flex-O-Lok® for standard 1" cavities or with a modified BLT-345-BT flexible tie for larger cavities. See above.

Finishes: Available in Hot Galvanized or Stainless Steel, see page 5.

Packaging: Components to anchor 500 lineal feet.



Standard 1"
Cavity



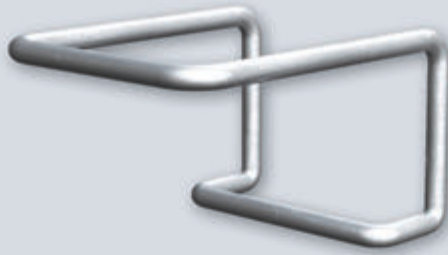
Larger
Cavities



BLOK-LOK[®] MASONRY JOINT REINFORCEMENT

SYSTEM 2000

Adjustable Tie for Positive Restraint
at all positions



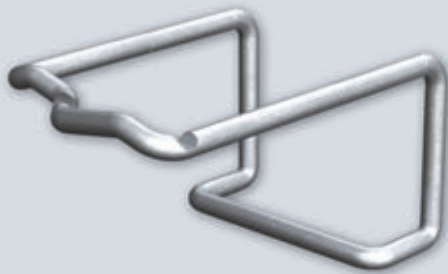
System 2000 incorporates a unique adjustable tie with our traditional adjustable reinforcing systems. The unique shape allows for positive restraint at all positions of adjustability while meeting the requirements of CSA-A370.

System 2000 has been independently tested and may be utilized with any of the Blok-Lok adjustable box anchors plus continuous truss or ladder-type adjustable reinforcing. Recommended for use with BL-42 and BL-37.

Patent No. 6,351,922

SYSTEM 2000 - SEISMIC

Adjustable Tie for Positive Restraint in Seismic Zones



Same as above for seismic zones. The hook is "swaged" (indented) in two places to accommodate either a 9 gauge or 3/16" continuous wire. As shown, a channel is formed that braces the continuous wire and holds it in place. Suitable for standard 3/8" joints.

Patent No. 6,351,922. U.S. Pat. Nos. 6,789,365 & 7,325,366

Finishes: see below

Packaging: 3" (76 mm) lengths, 250 pieces per box.

Joint Reinforcement Recommended Uses

- As a crack control in single wythe, composite and cavity walls.
- As a continuous tie for two wythe, composite or cavity walls.
- As a continuous tie for faced walls.
- As a reinforcing for stack bond masonry.

Table A

Wire Sizes for Steel Joint Reinforcement

	side rods	cross rods
Standard	9 ga. (0.148") (3.66 mm)	9 ga. (0.148") (3.66 mm)
Heavy Duty	0.1875" (3/16") (4.76 mm)	9 ga. (0.148") (3.66 mm)
Extra Heavy Duty	0.1875" (3/16") (4.76 mm)	0.1875" (3/16") (4.76 mm)

Table A-1

Properties for Steel Joint Reinforcement

	9 ga. Wire	3/16" Wire
Wire Diameter	0.148 in (3.66 mm)	0.1875 in (4.76 mm)
Cross-Sectional	10.52 sq. mm	17.80 sq. mm
Area Per Wire	(.0163 sq. in)	(.0276 sq. in)
Yield Load	1140 lbs (5075 N)	1933 lbs (8600 N)
Ultimate Load	1303 lbs (5800 N)	2210 lbs (9825 N)

Table B

Finishes for Joint Reinforcement Systems

Finish	Material	Specification	Coating Specification	Minimum Coating Mass
Mill Galvanized	Wire	CSA A370-04	A641	.010 oz/ft ²
Hot Dipped Galvanized After Fabrication	Wire	CSA A370-04	ASTM A153 Class B2	1.50 oz/ft ² (457 g/m ²)
Stainless Steel	Wire	ASTM 79 -AISI Type 302 & 304	None	Uncoated

* Effective Area Chart available at www.blok-lok.com

BLOK-LOK[®] MASONRY ANCHORS & TIES

BL-407

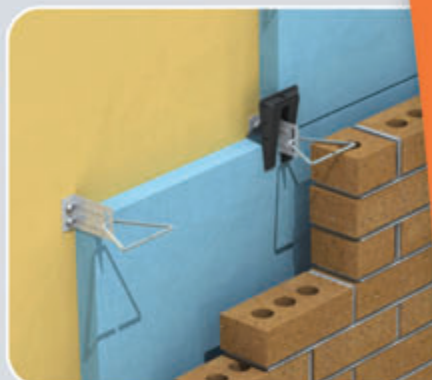
Brick Veneer Anchoring System for Steel Stud and Masonry Construction

The BL-407 is a wire tie and plate combination system which provides adjustability, minimal free-play, strength, stiffness, positive connection, corrosion-resistance, and is test rated. The system provides for in-plane differential movement and can be installed on metal stud, wood stud, masonry, steel or concrete backup with or without insulation. Using the



Flex-O-Lok Seismic Tie, the BL-407 meets relevant seismic tie qualifications. The anchor plate has been designed for mounting on the surface of sheathing or stud, and accommodates insulation board with minimal or no puncture.

Base Plate: 16 gauge (1.5 mm) thick x 2" (50 mm) wide with 1" (25 mm) bend. Length to accommodate various insulation thicknesses.

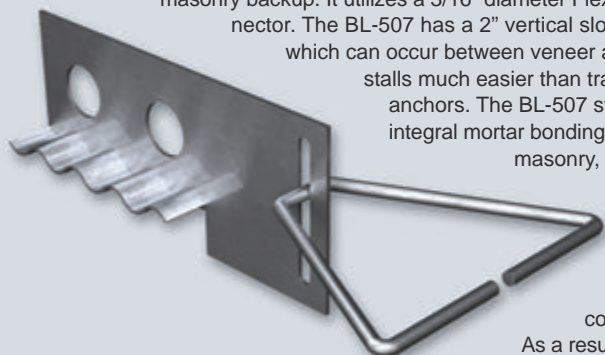


BL-407 shown with Wedge-Lok[®] and Flex-O-Lok Tie.

BL-507

Cavity Wall Anchoring System for Masonry Construction

The BL-507 consists of a one-piece, 16 gauge base plate embedded in the masonry backup. It utilizes a 3/16" diameter Flex-O-Lok tie as a veneer connector. The BL-507 has a 2" vertical slot for alignment possibilities,



which can occur between veneer and backup. This system installs much easier than traditional eye and pintle style anchors. The BL-507 strength is developed via the integral mortar bonding of the plate assembly in the masonry, while the veneer wind loads

are transferred via the 3/16" diameter tie. The adjustable system has stiffness performance characteristics that exceed conventional eyes and pintles. As a result, the anchor can be spaced greater than traditional eye and pintle systems. This lessens the risk of moisture infiltration by having fewer ties that breach the backup and stronger, stiffer ties that minimize veneer deflection.

Base Plate: 16 gauge (1.5 mm). Length to accommodate various insulation thicknesses.

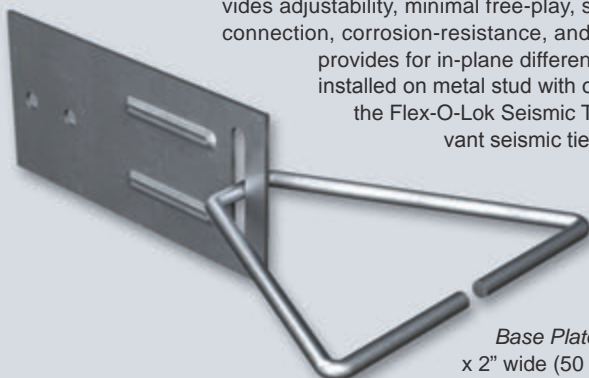


BL-507 shown with Wedge-Lok[®] and Flex-O-Lok Tie.

BL-607

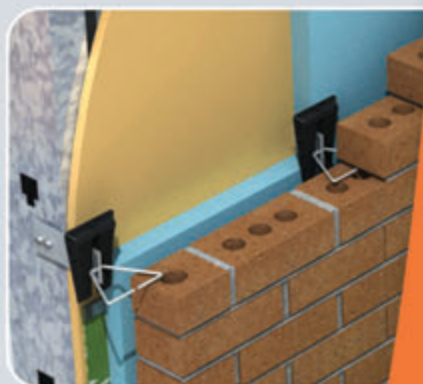
Brick Veneer Anchoring System for Steel Stud and Masonry Construction

The BL-607 is a wire tie and plate combination system which provides adjustability, minimal free-play, strength, stiffness, positive connection, corrosion-resistance, and is test rated. The system provides for in-plane differential movement and can be installed on metal stud with or without insulation. Using the



Flex-O-Lok Seismic Tie, the BL-607 meets relevant seismic tie qualifications. The anchor plate has been designed for mounting on the surface of the stud.

Base Plate: 16 gauge (1.5 mm) thick x 2" wide (50 mm). Length to accommodate various insulation thicknesses.



BL-607 shown with Wedge-Lok[®] and Flex-O-Lok Tie.

BLOK-LOK® MASONRY ANCHORS & TIES

X-SEAL®

Veneer Anchoring System

With its patented leg design, the X-Seal® anchor allows the backplate to effectively seal the wallboard/insulation. This helps to maintain the integrity of the vapor barrier and prevents the ingress of air and moisture through the sheathing. 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 anchors and screws are installed before the first brick is laid, important for in-site visual inspection. Available in leg lengths to accommodate 1/2" - 5" wallboard/insulation, in Hot Galvanized or Stainless Steel.

U.S. Pat. Nos. 6,925,768 & 6,941,717. Canadian Pat. Nos. 2,458,000 & 2,458,012. *Other Patents Pending.*




Note: X-Seal® shown with Byna-Lok® Wire Tie (see info below). Also compatible with Flex-O-Lok® Ties.



The X-SEAL® Anchor meets or exceeds requirements of the Commonwealth of Massachusetts State Building Code for air leakage and water penetration. Contact our technical dept. for test results.

X-SEAL® TAPE

X-Seal® Tape is a self-adhesive sealing tape. It seals around the shaft of screw and legs of X-Seal® Anchor at the point of penetration. The adhesive backing (with removable release paper) will not rot, crack or drool like typical rubberized-asphalt adhesives. It is easy to install and resists tearing and slicing. X-Seal® Tape is UV-resistant up to six months. Can also be used as an insulation joint tape.

 It is manufactured from 45% post-industrial and/or post-consumer recycled material.



Patents Pending

Roll: 3" x 50 ft. long rolls

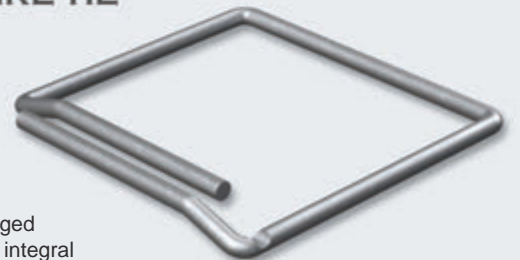


BYNA-LOK® WIRE TIE

Easily adapt many of our adjustable anchor systems for seismic zones by adding the Byna-Lok® Wire Tie. Used for tying masonry walls to structural back-up, this tie has a swaged leg designed to provide an integral track for the continuous joint reinforcement wire. 3/16" (4.76 mm) dia. x 3" (76 mm), 4" (100 mm), 5" (127 mm), 7" (178 mm) or 9" (228 mm) long. Available in Hot Galvanized or Stainless Steel.

U.S. Pat. Nos. 6,925,768 & 5,454,200. *Other Patents Pending.*

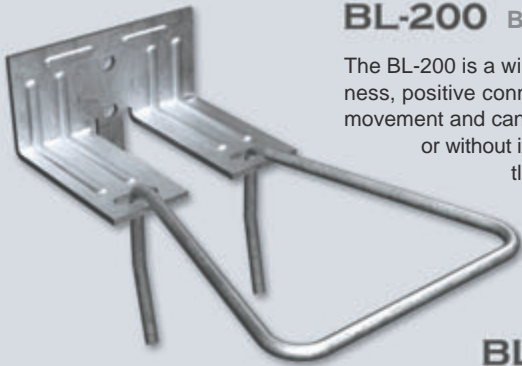
Packaging: 100 pieces per box



Byna-Lok shown left with 315-BL dovetail anchor and 363-BL gripstay anchor. Can also be used with BL-407, BL-507 & BL-607 anchor systems.

BL-200 Brick Veneer Anchoring System for Steel Stud Construction

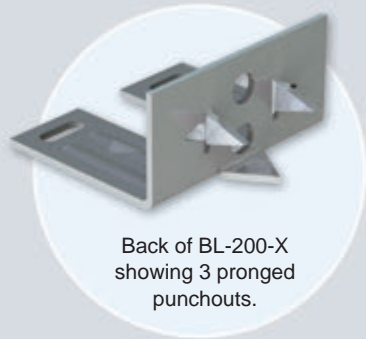
The BL-200 is a wire tie and plate combination system which provides adjustability, strength, stiffness, positive connection and corrosion resistance. The system provides for in-plane differential movement and can be installed on metal stud, wood stud, masonry, steel or concrete backup with or without insulation. It can easily be used in a seismic set-up by replacing the standard pin-tie with a Seismic Hook and adding continuous wire. The anchor plate has been designed for mounting on the surface of sheathing and accommodates insulation board from 0"-4" thick. Available in Hot Galvanized or Stainless Steel.



BL-200-X Brick Veneer Anchoring System

Similar to the BL-200 above, but with three pronged punchouts that project from the back of the anchor. The prongs prevent positive windloads from crushing the wallboard by transferring these loads back to the stud.

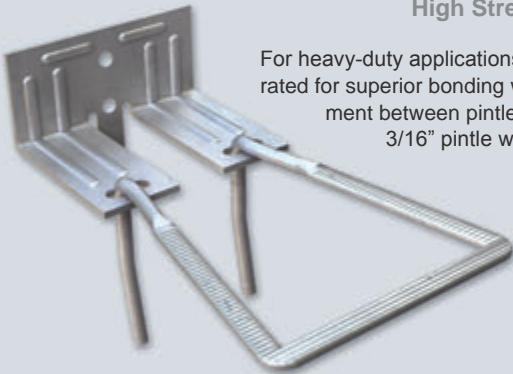
Patents Pending



Back of BL-200-X showing 3 pronged punchouts.

BL-200-HS High Strength Veneer Anchoring System

For heavy-duty applications, the BL-200-HS incorporates a 1/4" diameter pintle. This pintle is flattened and serrated for superior bonding with mortar. Suitable for 3/8" mortar joints. Ideal for usage when the offset of engagement between pintle and anchor is greater than 1-1/4". Also for wide cavity conditions, where a standard 3/16" pintle would not satisfy load requirements. U.S. Pat. No. 6,279,283. *Other Patents Pending.*



Base Plates: 14, 12 or 10 ga. thick with legs to accommodate 0"- 5" insulation.
Standard Wire Ties: 3/16" (4.76 mm) diameter thick x 3", 4", 4-3/4" or 5-1/4" long.
High Strength Ties: 1/4" (6.35 mm) diameter thick x 3", 4", 4-3/4" or 5-1/4" long.

Packaging: 250 pieces per box.



2-SEAL TIE™ Veneer Anchoring System for Steel Stud Construction

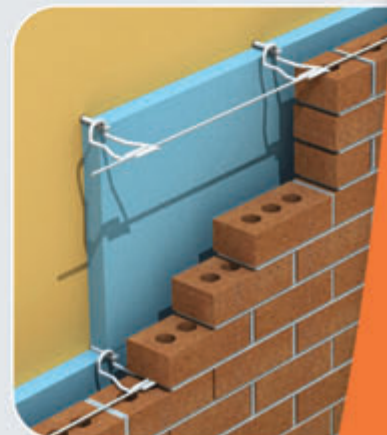
A single screw veneer tie fabricated from carbon steel with an organic polymer coating. The 2-Seal Tie™ has a dual-diameter barrel with factory installed EPDM washers to seal both the face of the insulation and the air/vapor barrier. This is an improvement over single barrel types which only seal at the insulation and render the vapor barrier susceptible to air and moisture infiltration. The dual barrel has an integrated #12 self-drilling screw, and is available for insulation from 5/8"- 4" thick. The projecting eyelet accepts a 2-Seal Byna-Lok Wire Tie. The wire tie is 3/16" diameter x 3", 4" or 5" long, available Hot Galvanized or Stainless Steel. Installation chuck adapter sold separately. Patents Pending.

WING NUT 2-SEAL™ TIE

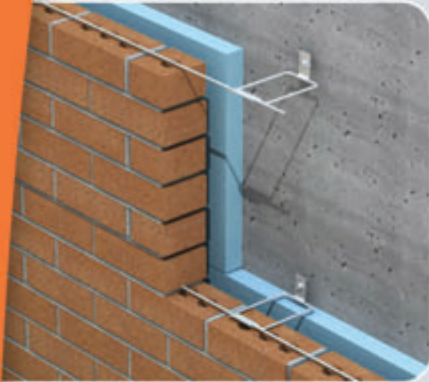
The Wing Nut 2-Seal™ Tie is fabricated with a 5/16" hex head, allowing for installation using a standard hex socket. The projecting 'wings' accept a standard or seismic hook. Both style hooks are 3/16" diameter x 3", 4", 4-3/4" or 5-1/4" long, available Hot Galvanized or Stainless Steel. Patents Pending.



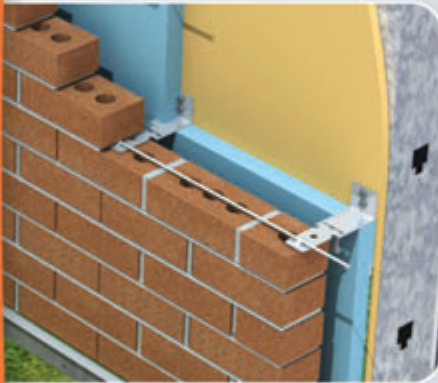
New!



BLOK-LOK® SEISMIC ANCHORS & TIES



U.S. Pats. 5,454,200 & 6,925,768.
Other Patents Pending



U.S. Pat. No. 5,816,008.
Other Patents Pending

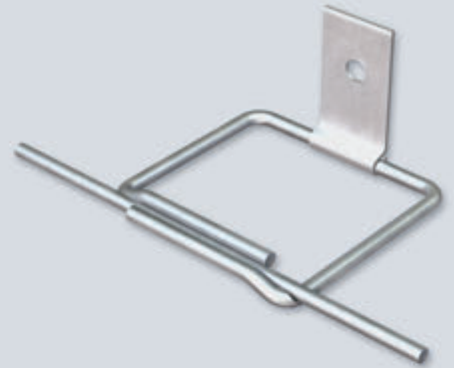


Also suitable for use on concrete or CMU

BLT-345-BL

Swage and mild pitch on legs of the Byna-Lok® Wire Tie provide an integral track for the continuous joint reinforcement wire. Flexible head is 3/4" wide x 12 ga. thick with 5/16" hole. Byna-Lok® portion is 3/16" diameter x 3", 4", 5", 6", 7" or 9" long. Available in Hot Galvanized or Stainless Steel.

Packaging: 250 pieces per box



BLT-345-BT

Similar to the BLT-345-BL above, but with a Flex-O-Lok® Tie used to tie masonry to backup. Flex-O-Lok® portion is 3/16" (4.76 mm) dia. x 3" (76 mm), 4" (100 mm), 5" (127 mm), 7" (178 mm) or 9" (228 mm) long. Available in Hot Galvanized or Stainless Steel.

Packaging: 250 pieces per box



T-LOK TIE

Configuration of masonry plate T-Head allows easy insertion into slot, while preventing future disengagement. T-Head also prevents tie from being installed beyond allowable eccentricity. The seismic notch forms a seat to accommodate 9 gauge or 3/16" diameter continuous wire. 14 ga. or 12 ga. thick. Backplate portion made to accommodate 0" - 4" insulation thickness. Pintle portion available in 3", 4" or 5" long. Other sizes available on special order. Available in Hot Galvanized or Stainless Steel.

Packaging: 350 pieces per box



CHANNEL-TEE SEISMIC NOTCH ANCHOR SYSTEM

Ideal for use where unlimited vertical adjustability is preferred. The continuous channel is surface mounted to the backup. The seismic-notch anchor is then easily inserted into the channel anywhere along the vertical length to conveniently fit wherever the mortar joint lies. Continuous joint reinforcing wire is easily inserted into the seismic notches of each anchor. Thin 5/8" profile of channel is ideal for tight cavity conditions. The Channel is provided in 10' lengths with holes drilled 12" on center in channel. Seismic-notch anchor is 16 ga. thick by 3", 4" or 5" long. Other sizes available on special order. Available in Hot Galvanized or Stainless Steel.



BLOK-LOK[®] MASONRY ANCHORS & TIES

Connecting Masonry to Masonry

BLT-1

Acts as a strut and tension tie for two-wythe composite walls without restraining horizontal and vertical movement between wythes. Not suitable for use in cavity wall design. Available in Hot Galvanized or Stainless Steel. 3/16" (4.76 mm) diameter wire x 4" (101 mm) wide x 3-1/2" (89 mm), 5-1/2" (139 mm), 7-1/2" (190 mm) or 9-1/2" (241 mm) long.

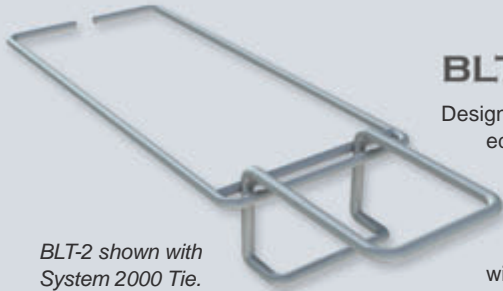
Packaging: 250 pieces per box.



BLT-2

Designed for cavity wall use. A special, welded bar forms a slot to accommodate the hook tie, thus restraining transverse movement of the wythes. Available in Hot Galvanized or Stainless Steel. 3/16" (4.76 mm) diameter wire x 4" (101 mm) wide x 3-1/2" (89 mm), 5-1/2" (139 mm), 7-1/2" (190 mm) or 9-1/2" (241 mm) long.

Packaging: 250 pieces per box.

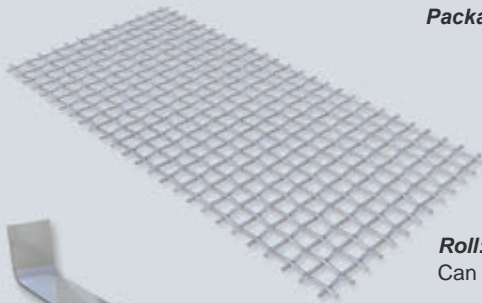


BLT-2 shown with System 2000 Tie.

MWT MESH WALL TIE

For bonding intersecting masonry walls. Conforms to ASTM A 185. Available in Hot Galvanized or Stainless Steel.

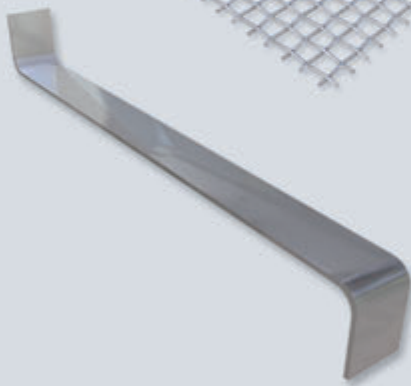
Roll: 1/2" square x 16 gauge thick x 100' rolls. Can be cut to other lengths on special order.



BLT-11Z

Use for intersecting masonry walls. 1/4" (6.35 mm) thick x 1-1/2" (37 mm) wide with 2" (50 mm) bends. Available 12" (305 mm), 16" (406 mm), 18" (457 mm) or 24" (609 mm) long. Available in Hot Galvanized or Stainless Steel and other sizes on special order.

Packaging: 100 pieces per box.



FLEX-O-LOK[®] TIES

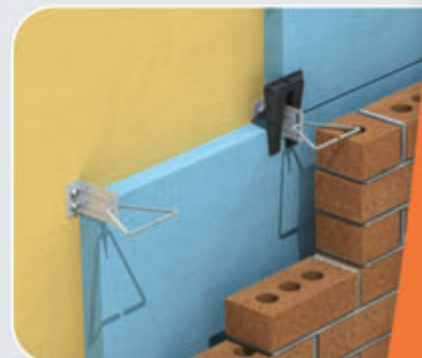
BLT-9

A flexible tie for tying masonry walls to structural back-up. Provides lateral restraint while permitting horizontal and vertical movement. 3/16" (4.76 mm) dia. x 3" (76 mm), 4" (100 mm), 5" (127 mm), 7" (178 mm) or 9" (228 mm) long. Available in Hot Galvanized or Stainless Steel.

BLT-9 SEISMIC

Made with seismic tab welded to the leg for seismic applications.

Packaging: 100 pieces per box



BLT-9 and BLT-9S must be used in conjunction with Blok-Lok anchors.

BLOK-LOK® MASONRY ANCHORS & TIES

Connecting Masonry to Concrete



Dovetail Masonry Anchor with Dovetail Anchor Slot



BLT-8 with Dovetail Anchor Slot



303-SV with Dovetail Anchor Slot

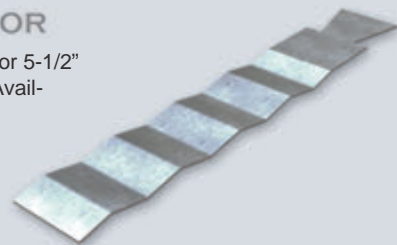


BL-303 DOVETAIL MASONRY ANCHOR

16 ga., 14 ga. or 12 ga. thick x 1" wide x 3-1/2" or 5-1/2" long. Other lengths available on special order. Available in Hot Galvanized or Stainless Steel.

Packaging: 100 pieces per box

In Canada, per CSA A370, use of standard dovetail anchors in cavity walls wider than 40 mm is prohibited.



BLT-8 DOVETAIL FLEX-O-LOK® ANCHOR

12 ga. thick anchor clip with 3/16" (4.76 mm) dia. wire tie. Wire Tie is available 3-1/2" (88.9 mm), 4-1/2" (114.3 mm), 5-1/2" (139.7 mm), 7-1/2" (190.5 mm) or 9-1/2" (241.3 mm) long. Available in Hot Galvanized or Stainless Steel.

Packaging: 100 pieces per box



BL-303-SV DOVETAIL SEISMIC ANCHOR

A seismic notch forms a seat to accommodate 9 ga. or 3/16" dia. continuous wire. 14 ga. or 12 ga. thick x 1-1/4" wide x length to suit. Available in Hot Galvanized or Stainless Steel.

Packaging: 100 pieces per box



BL-305 DOVETAIL ANCHOR SLOT

1" wide back x 1" deep x 22 ga., 18 ga. or 16 ga. thick. Foam filled, 10' long pieces. Available in Hot Galvanized or Stainless Steel.

Note: Blok-Lok is not responsible for incompatibility if ties or slots are interchanged with those of other manufacturers.

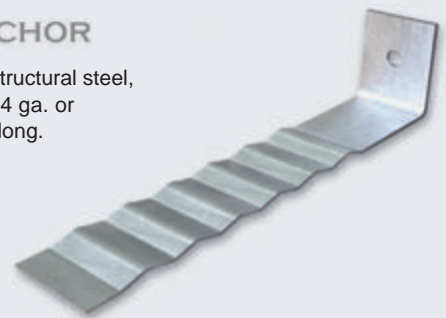
Packaging: 10' (3.048 m) lengths.
10 pieces per bundle.



BL-345 CORRUGATED BUCK ANCHOR

For anchoring new masonry to concrete, structural steel, existing masonry or door bucks. 16 ga., 14 ga. or 12 ga. thick x 1-1/4" wide x 2-1/2" - 8-1/2" long. Bend is 1-1/2" long with a 5/16" dia. hole. Other sizes available on special order. Available in Hot Galvanized or Stainless Steel.

Packaging: 100 pieces per box

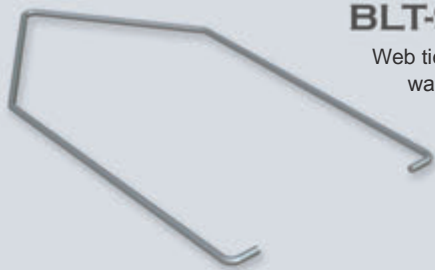


BLOK-LOK[®] MASONRY ANCHORS & ACCESSORIES

Connecting Masonry to Steel

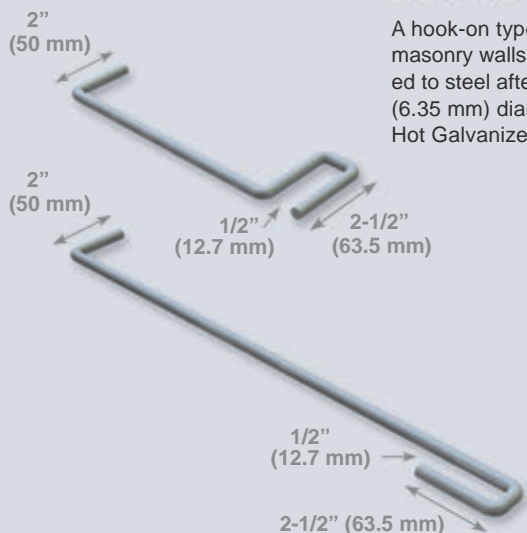
BLT-9A

Web ties also available to accommodate various wall widths. Use with adjustable Flex-O-Lok[®] Anchors. 3/16" (4.76 mm) diameter x 12" (303 mm) long x 2-3/8" (60 mm), 4" (100 mm), 6" (152 mm), 8" (203 mm) or 10" (254 mm) wide. Available in Hot Galvanized or Stainless Steel.



BLT-10

A hook-on type tie, available in two types, for tying masonry walls to structural steel. Can be spot welded to steel after installation. 3/16" (4.76 mm) or 1/4" (6.35 mm) diameter in various lengths. Available in Hot Galvanized or Stainless Steel.



TYPE A

3" (76 mm), 5" (127 mm), 7" (178 mm) or 9" (228 mm) long

TYPE B

10" (254 mm), 12" (305 mm), 14" (355 mm) or 16" (406 mm) long

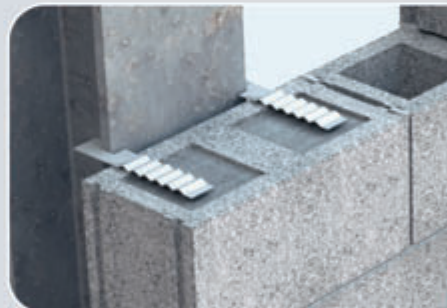
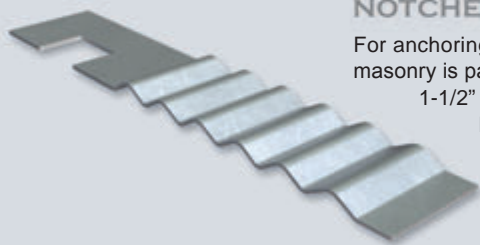
Packaging (for above anchors):
250 pieces per box



354 NOTCHED COLUMN ANCHOR

For anchoring masonry to structural column when masonry is parallel to column flange. 12 ga. thick x 1-1/2" wide x length to suit. Notch is 1" long, beginning 1" from end. Available in Hot Galvanized or Stainless Steel.

Packaging: 100 pieces per box



ADJUSTABLE FLEX-O-LOK[®] ANCHORS

Adjustable ties are recommended as a veneer or cavity wall tie to connect to structural steel.

Packaging: 100 pieces per box



TYPE A

Wire Weld-On Anchor. 1/4" (6.35 mm) dia. x 7" long. Available in Hot Galvanized or Stainless Steel.



TYPE C

Flat Bar Screw-On Anchor. 10 ga. thick x 3/4" wide x 7" long. Available in Hot Galvanized.



BLOK-LOK® GRIPSTAY CHANNELS & ANCHORS



For tying masonry to steel columns, concrete, or existing walls. Allows generous vertical adjustability along slot of channels.

BL-360 GRIPSTAY CHANNEL

14 ga., 12 ga. or 11 ga. thick x 7-1/2" long (5-1/2" vertical adjustability) with 5/16" dia. holes at top and bottom.



BL-361 GRIPSTAY CHANNEL

14 ga., 12 ga. or 11 ga. thick x 7-1/2" long (5-1/2" vertical adjustability). Furnished with welded straps for embedment into block backup. Standard strap is 14 ga. x 3" long. Other lengths available on special order.



BL-362 GRIPSTAY CHANNEL

14 ga., 12 ga. or 11 ga. thick x 6-1/4" long o.a. Furnished with built-in end clips for attachment to masonry.



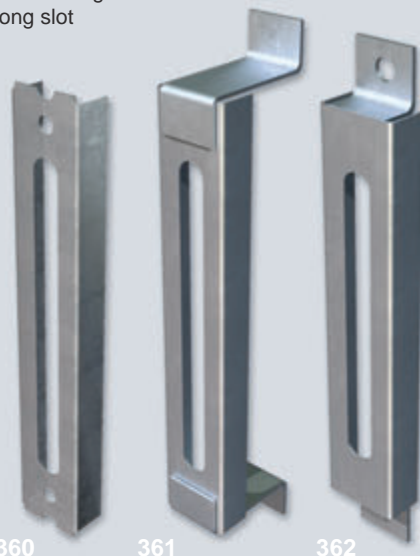
BL-362-C GRIPSTAY CHANNEL

14 ga., 12 ga. or 11 ga. thick x 5' long. Other lengths available in 7-1/2" increments on special order.

BL-362-CX GRIPSTAY CHANNEL SYSTEM

14 ga., 12 ga. or 11 ga. thick x 5' long. Made to order with welded legs to accommodate any thickness insulation/wallboard. Other lengths also available in 7-1/2" increments on special order. Available in Hot Galvanized or Stainless Steel. U.S. Patent No. 5,063,722

All channels above available in Hot Galvanized or Stainless Steel.



360

361

362

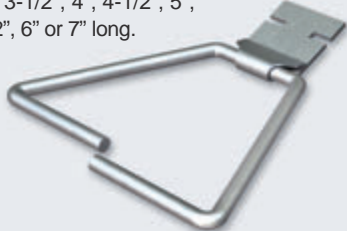


362-C

362-CX

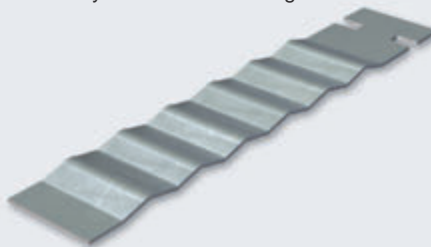
BLT-363 FLEXIBLE GRIPSTAY ANCHOR

Gripstay head is 14 ga. thick x 1-1/4" wide. Vee Byna-Tie® portion is 3/16" dia. x 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6" or 7" long.



BL-364 CORRUGATED GRIPSTAY ANCHOR

16 ga., 14 ga. or 12 ga. thick x 1-1/4" wide by 2-1/2" to 8-1/2" long.



BL-365 BENT GRIPSTAY ANCHOR

16 ga., 14 ga. or 12 ga. thick x 1-1/4" wide by 2-1/2" to 8-1/2" long with a 1" bend.

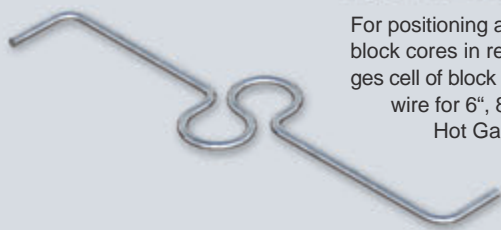


Gripstay head fits any style Blok-Lok Gripstay Channels above. All anchors above available in Hot Galvanized or Stainless Steel. Other sizes available on special order.

RB-REBAR POSITIONERS

For positioning and stabilizing rebar installed into concrete block cores in reinforced masonry. The z-shaped wire bridges cell of block while bends rest on shell. 9 gauge diameter wire for 6", 8" or 12" block. Available in Mill Galvanized, Hot Galvanized or Stainless Steel.

Packaging: 250 pieces per box.



RB-TWIN REBAR POSITIONER

Same as the Rebar Positioners above, but with double loops to hold 4 rebars.

Packaging: 250 pieces per box.



SPYRA-LOX® REBAR LAP-JOINT TIE

Flow-through design allows grout to uniformly encase rebars at overlap. It requires no tools and eliminates cumbersome procedure of tying lap-joined rebars together in reinforced walls. Use of this tie also reduces lifting-height of blocks over rebars. Available in Mill Galvanized.

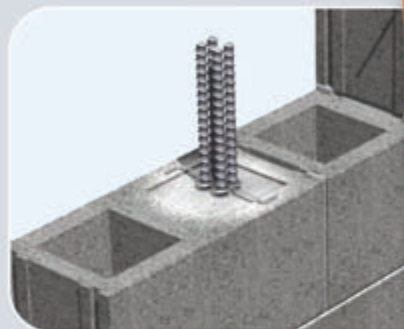
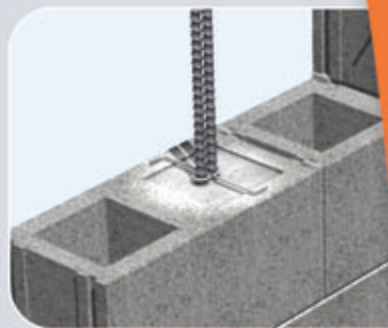
SL 4/5 - #4 or #5 rebars

SL 6/7 - #6 or #7 rebars

SL 8/9 - #8 or #9 rebars (#9 is 1-1/8" o.d. nominal, 1.27" actual)

SL 11 - #11 rebars (#11 is 1-1/4" o.d. nominal, 1.41" actual)

Packaging: 200 pieces per box



WEDGE-LOK®

The Wedge-Lok® fastener is a unique, plastic device that uses the principle of leverage to wedge between the masonry reinforcing or ties and cavity wall insulation. The wedge design and rib-faced locking system guarantees positive contact of insulation with the substrate.

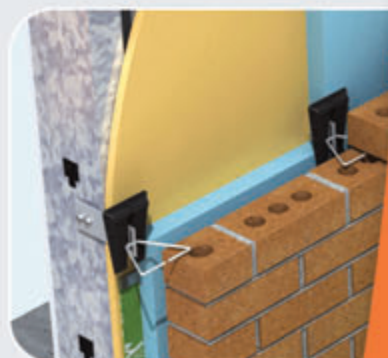


The simplicity of the Wedge-Lok® means that:

- No adhesives are required for insulation retention.
- There's no penetration of the air/vapor barrier.
- Visual inspection can be made after installation.

These advantages add up to a practical, economical and permanent attachment of cavity wall insulation. Wedge-Lok® can be used in any cavity wall incorporating insulation and Blok-Lok masonry reinforcing or ties.

U.S. Pat. No. 4,688,368 Canadian Pat. No. 127,164



BLOK-LOK[®] CONCRETE INSERTS

Wedge inserts are embedded into concrete slabs. Nail holes in the back of the insert allow easy nailing to forms. When the forms are stripped, the open face of the insert is flush with the concrete. The beveled head of the askew head bolt engages the internal wedge shape of the insert and produces an automatic tightening action when a load is placed on it.



HW-340

Malleable Iron Wedge Inserts

Hot Galvanized standard wedge insert must be installed at least 1-1/2" from bottom of the slab.

Shear: 16,650 lbs.
Tension: 13,093 lbs.
Concrete Strength: 4,125 psi
Torque: 150 ft./lbs.



LW-340

Malleable Iron Wedge Inserts

Hot Galvanized long wedge insert is suitable for use at the bottom of the slab or when additional vertical adjustability is needed.

Shear: 17,305 lbs.
Tension: 17,367 lbs.
Concrete Strength: 4,125 psi
Torque: 150 ft./lbs.



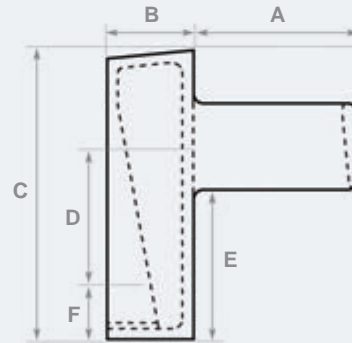
ASKEW HEAD BOLT

5/8" or 3/4" dia. x 2", 2-1/2", 3" or 4" long.



Available Stainless Steel or Zinc Plated. Hot Galvanized available on special order. Includes the bolt, a nut and a washer.

Carbon Steel: 60,000 psi minimum Tensile Strength
Stainless Steel: 70,000 psi minimum Tensile Strength



	HW-340	LW-340
A	2-1/2"	2-3/8"
B	1-3/16"	1-3/16"
C	4"	5-1/2"
D	1-3/4"	3"
E	2"	3-1/2"
F	7/8"	7/8"



SHARKTOOTH INSERT

For use in various applications. It is adjustable along virtually the entire length, while still resisting shear and tension loads. Available in Hot Galvanized or Stainless Steel in lengths from 3" to 12 ft. long. The Sharktooth can be custom designed for project-specific applications.

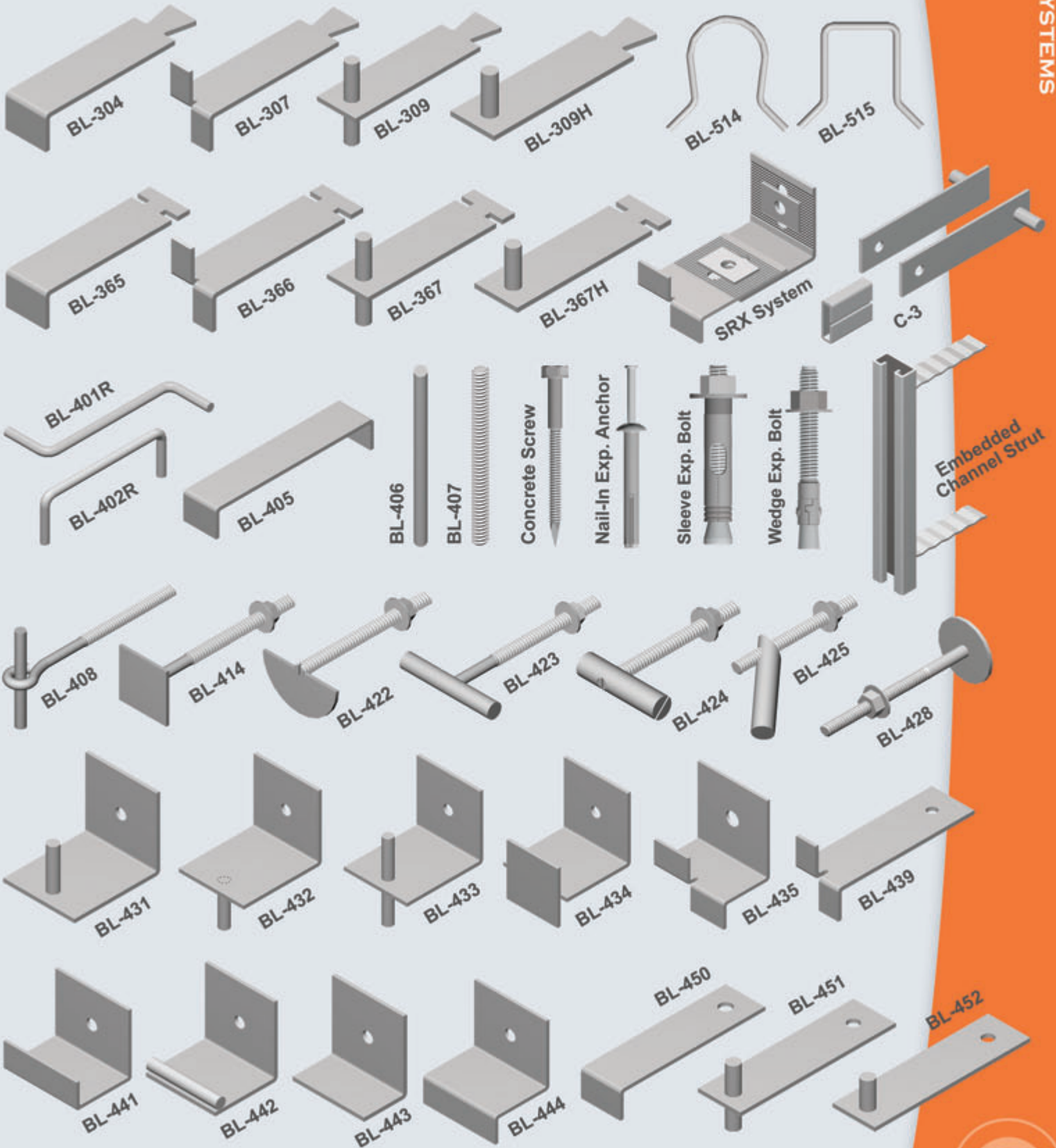
Patents Pending




Brick relief angle at concrete beam.

BLOK-LOK® STONE ANCHORS & ACCESSORIES

The following shows some of the more commonly used anchors for stone. Our state-of-the-art facilities enable us to shear, punch and bend anything from light gauge mild steel to 1" thick stainless steel. Anchor sizes depend upon job conditions. See www.blok-lok.com for more information.



 Blok-Lok sources Stainless Steel from a wide variety of vendors. Per the International Stainless Steel Forum, Stainless Steel objects have an average of 60% recycled content.

Blok-Lok recommends Type 304 / Type 316 Stainless Steel for maximum protection against corrosion.

BLOK-LOK® PARTITION TOP ANCHORS

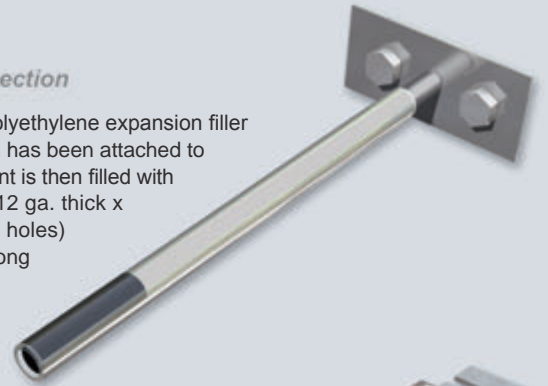
Partition Top Anchors have been developed to provide lateral shear resistance at the upper limit of masonry walls. They permit vertical deflection of the slab above, without transferring compressive loads to the masonry wall below. PTA Anchors are suitable for construction using steel or concrete. Other sizes available for heavy-duty applications.



PTA-420

for Bolted or Welded Connection

Clear butyrate PTA Tube with polyethylene expansion filler is placed over rod anchor, which has been attached to concrete or steel. The vertical joint is then filled with mortar, fully surrounding tube. 12 ga. thick x 1-1/2" wide x 3" long (5/16" dia. holes) plate welded to a 3/8" dia. x 7" long rod. Available in Hot Galvanized or Stainless Steel.



PTA-364

for Welded Connection

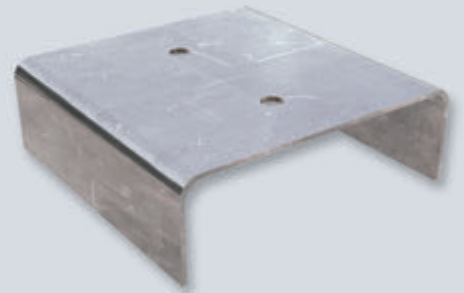
For use with Gripstay Channel, allowing for vertical adjustability along slot of channel. 12 ga. thick x 1-1/4" wide x length to suit. Available in Mill Galvanized, Hot Galvanized or Stainless Steel.



PTA-422

for Bolted or Welded Connection

12 ga. thick, available for 4"-12" block with 2-1/2" standard bends. Available in Mill Galvanized, Hot Galvanized or Stainless Steel.



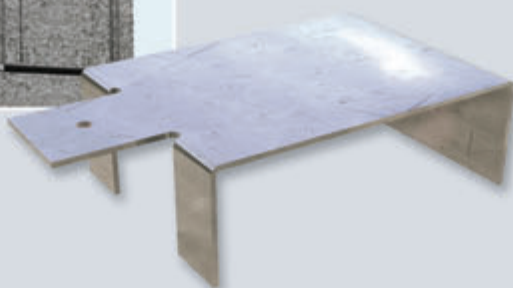
BL-LSA1

Lateral Support Anchor
for Bolted or Welded Connection

BL-LSA2

Lateral Support Anchor
for Bolted or Welded Connection

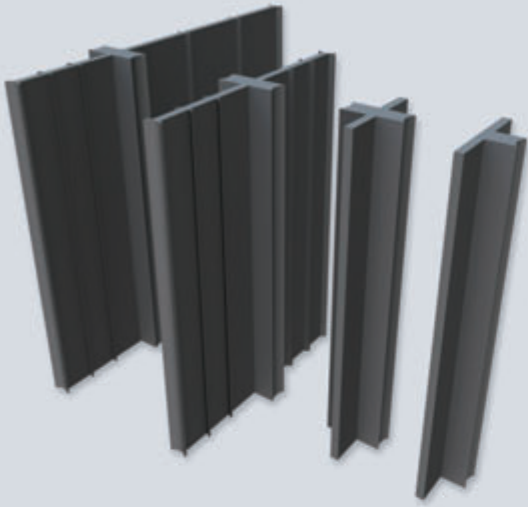
12 ga. thick, available for 4"-12" block with 2-1/2" (64 mm) standard bends. Available in Mill Galvanized, Hot Galvanized or Stainless Steel. Complies with CSA A370-04.



All details shown with Neoprene Sponge

BLOK-LOK[®] CONTROL JOINTS

Control joint products are used to reduce restraint and permit longitudinal movement. They are placed where cracking is likely to occur due to excessive tensile stress.



RS SERIES *Rubber Control Joint*

Extruded rubber material designed for masonry walls at control joints. Rubber conforms to ASTM D 2000 2AA-805.

- RS Standard** 2-5/8" wide
- RS Tee** 2-5/8" wide
- RS-8** 6-7/8" wide
- RS-12** 11-1/8" wide

VS SERIES *PVC Control Joint*

The VS Series is a complete line of polyvinyl chloride control joints suitable for various wall conditions. PVC conforms to ASTM D 2287 (Type PVC 654-4).

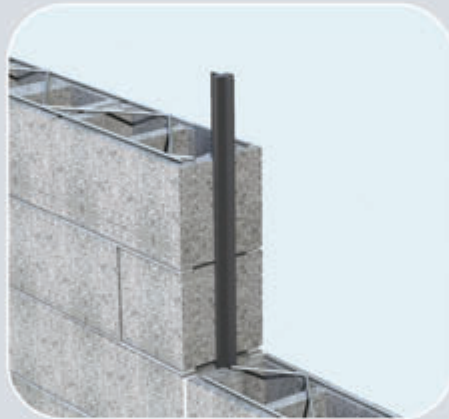
- VS Standard** 2-5/8" wide
- VS Tee** 2-5/8" wide
- VS-678** 6-7/8" wide
- VS-1118** 11-1/8" wide



Both Rubber and PVC control joints are manufactured from 50% recycled material.

Packaging:

4 ft. lengths, 60 ft. per box
(RS-12 & VS-1118 are 48 ft. per box)



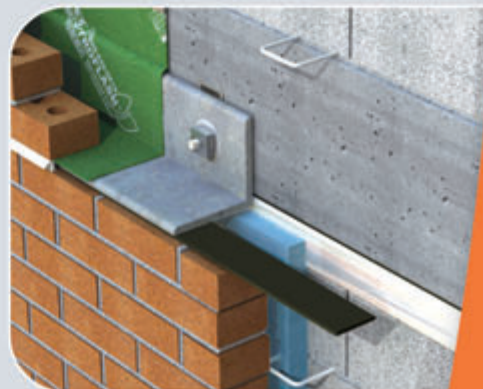
NEOPRENE SPONGE

Blok-Lok Neoprene Sponge is a closed-cell, non-absorbent horizontal and vertical joint filler used in a variety of masonry applications. Neoprene allows expansion and prevents clogging of joints with mortar. Conforms to ASTM D 1056 2A1. Also available with a pressure-sensitive adhesive backing and/or tear-strip on request.

Rolls: 1/8", 1/4", 3/8" or 1/2" thick x 50' long rolls. Custom sizes available upon request.



optional
tear-strip



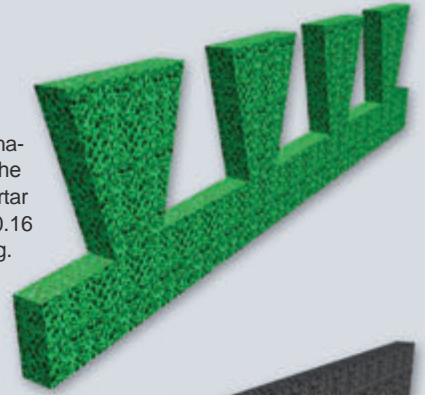
BLOK-LOK® MASONRY ACCESSORIES

MORTAR NET®

Captures and permanently suspends mortar droppings in masonry cavity walls so water always has open flow paths to the weeps. The unique, patented dovetail shape breaks up mortar droppings and prevents mortar damming. Available 0.4" (10.16 mm), 1" (25.4 mm) or 2" (50.8 mm) thick x 10" tall x 5 ft long.

- 0.4" & 1" - manufactured from 35% recycled nylon
- 2" - manufactured from 50% recycled polyester

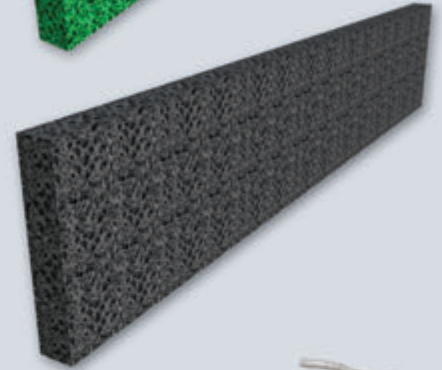
Packaging: 100 feet per box
(0.4" contains 250 feet per box).



MORTAR MITT

Breaks up and deflects mortar droppings away from weepholes. Allows moisture in the cavity to flow down through the geomatrix mesh and out of the weep holes. Available 1/2" (12.7 mm) or 1" (25.4 mm) thick x 10" (254 mm) tall x 50 ft. (15.24 m) long rolls.

Packaging: 50 feet (15.24 m) per roll



WEEP HOLES

Creates an unobstructed passage for water and moisture to exit masonry cavity walls.

341

Made from medium-density polyethylene. Available 3/8" o.d. x 4" long.

- 341W - with a cotton wick
- 341S - with a brass or stainless steel screen
- 341WS - with both wick and screen

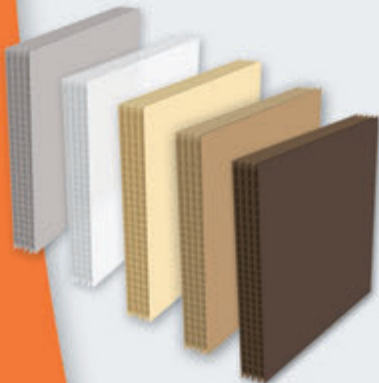
342

Made from medium-density polyethylene. Available 3/8" wide x 1-1/2" tall x 3-1/2" long.

- 342W - with a cotton wick
- 342S - with a brass or stainless steel screen
- 342WS - with both wick and screen

343

Made from injection-molded flexible PVC. Rectangular closure strip prevents mortar droppings from clogging openings. Compressible flanges for joint widths of 1/2"-3/4". Available in grey, 2-1/4", 2-7/8" or 3-1/2" tall.



CELL VENT

Made from flexible polypropylene-copolymer plastic. Honeycomb design restricts ingress of insects and other debris. Allows passage of moisture up to its 2-1/2" height, important in the event of mortar droppings at bottom of cavity. Also suitable for top of wall venting. Available in Standard (3/8" thick x 3-3/8" wide x 2-1/2" tall) or Jumbo (3/8" thick x 3-3/8" wide x 3-1/2" tall). Other sizes available on special order.

Colours: Grey, Clear, Almond, Tan or Cocoa.





REPAIR & RESTORATION SYSTEMS

SECTION B



Charleston's City Hall building was built between 1800-1804 as the home of The First Bank of the United States. In 1818 it became City Hall. The Hall's semi-circular projection on the north side and round basement windows are characteristic features of the Adamesque style, common in historical Charleston buildings. This important building was seismically upgraded and restored using twenty-four inch long Spira-Lok® Ties.

BLOK-LOK[®] MASONRY REPAIR & RESTORATION

PANEL-LOK[®]

Mechanical Restraining Anchors for Re-Anchoring Stone Panel Veneers

The Panel-Lok[®] panel re-anchoring system is an easy to use, mechanically-activated, economical method to re-anchor existing stone panel veneers to concrete, solid and/or hollow masonry, and steel substrates. The process eliminates the need to remove existing stone by providing a corrosion-resistant tie assembly.

The components are manufactured of AISI Type 300 series austenitic stainless steel and ASTM Type 360 brass. The combination provides for long-term durability and structural stability for the design life of the structure. The Panel-Lok[®] component systems consist of mechanically-activated expansion elements that are situated in the back-up material. They are either torque activated or hammer set which provides a method of inspection for the backup connection.

The backup anchorage system and the veneer connection method develop performance characteristics similar to the original stone anchoring requirements. The expanders are integrated with a stainless steel shaft and various hex or screw attached heads for the stone veneer connection.

The anchors can be field tested by either direct tension or torque after installation. The Panel-Lok[®] anchors are manufactured of applicable ASTM materials. They are available in a variety of lengths, and can be made to special lengths and materials upon request.

Basic Applications

Use where there is a need to re-attach existing stone panel veneers less than three inches thick that require additional restraint or support to resist live and dead loads. These Panel-Lok anchors accommodate bilateral live-load resistance, uni-directional forces, support loading, and combinations of all types. The backup anchorage system may dictate the style of anchorage required.

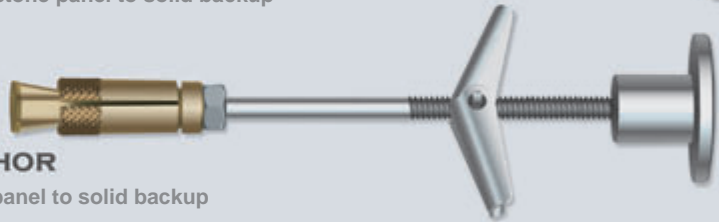
600 SERIES ANCHOR

Uni-directional loading to restrain stone panel to solid backup



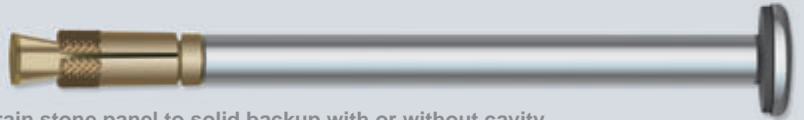
600-TGL SERIES ANCHOR

Bilateral loading to restrain stone panel to solid backup



T SERIES ANCHOR

Torque activated, support and restrain stone panel to solid backup with or without cavity



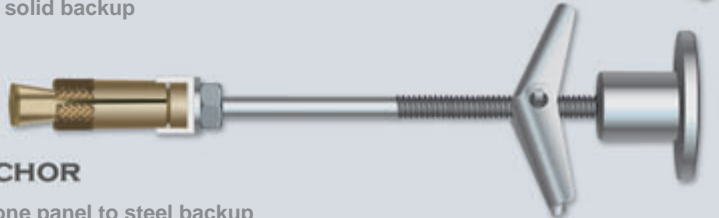
610 SERIES ANCHOR

Restrain stone panel to hollow and solid backup



610-S-TGL SERIES ANCHOR

Bilateral loading to restrain soft-stone panel to steel backup



H SERIES ANCHOR

Stabilize stone panel to concrete backup (3/8", 1/2", 3/4" diameter)



H SERIES ANCHOR

Stabilize stone panel to concrete backup (1/4" diameter)



Example: Panel-Lok 600-TGL - Bilateral loading to restrain stone panel to solid backup

Solid Backup
Performance Concrete
2000 lb. ultimate

Stone Veneer

Toggle Capacity
400 lb. ultimate

Cavity

1-1/2"

1/4"

TORQ-LOK[®]

The Torq-Lok[®] mechanical anchoring system is an easy to use and cost-effective method to re-connect existing veneers to various substrates. The process eliminates the need to tear down an existing veneer by providing a corrosion-resistant tie assembly. The components are manufactured of AISI Type 300 series austenitic stainless steel and ASTM Type 360 brass. The 500 and 510 Series system consists of brass expansion elements that are situated in the veneer and backup segments of the wall system being rehabilitated. They are torque-activated which provides a method of inspection for both the façade and backup connection.

Once installed, the anchors resist veneer loading in both compression and tension. The design of the system provides two independently activated expanders that do not create tension between wythes. All Torq-Lok[®] anchors are installed at "T" joint or bed joint locations, concealed with a mortar patch or sealant, and have no exposed hardware.

500 SERIES ANCHOR

Solid Backup

360 Brass expanders with Type 304 St/Steel shaft and 300 St/Steel hardware
Hole in Veneer = 1/2" Hole in Backup = 1/2"
Installation Torque:
Veneer = 50-100 in.- lbs. Backup = 50-100 in.- lbs.



510 SERIES ANCHOR

Hollow Backup

360 Brass expanders with Type 304 St/Steel shaft and 300 St/Steel hardware
Hole in Veneer = 1/2" Hole in Backup = 3/8"
Installation Torque:
Veneer = 50-100 in.- lbs. Backup = 50-100 in.- lbs.

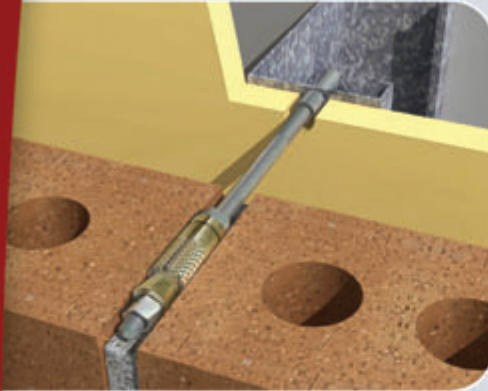


BLOK-LOK[®] MASONRY REPAIR & RESTORATION

TORQ-LOK[®]

Basic Applications

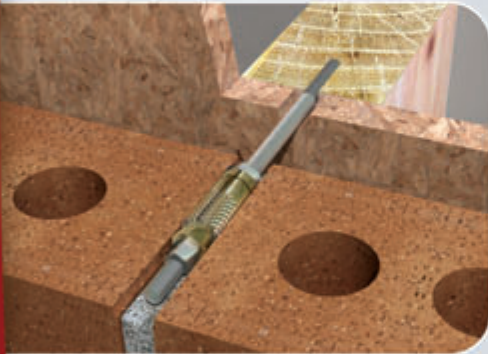
Use where facades have missing or corroded wall ties or anchors. Can be applied at peripheral areas that are bulging or around areas that are to be removed. Use as a replacement tie for broken or cracked headers in composite walls. Use in high stress areas, which require load resistance greater than provided by typical wall ties. Can also be applied or modified to re-attach thin clad stone to various backup materials.



520 SERIES ANCHOR

Stud Backup

360 Brass expanders with Type 304 St/Steel shaft and 300 St/Steel hardware
 St/Steel self-drilling / self-tapping screw
 Hole in Veneer = 1/2"
 Stud backup hole sizes: self-drilled



530 SERIES ANCHOR

Stud Backup

360 Brass expanders with Type 304 St/Steel shaft and 300 St/Steel hardware
 Self-tapping lag thread
 Hole in Veneer = 9/16"



Stud backup hole sizes: Metal Stud Wood Stud
 16ga. = 3/16" 2 x 4 = 3/16" (opt)
 18ga. = 3/16" 4 x 4 = 3/16"

Installation Torque: Veneer = 50–100 in.-lbs.
 16ga. = 30–60 in.-lbs.
 18ga. = 20–40 in.-lbs.
 Wood Stud = 30–50 in.-lbs.

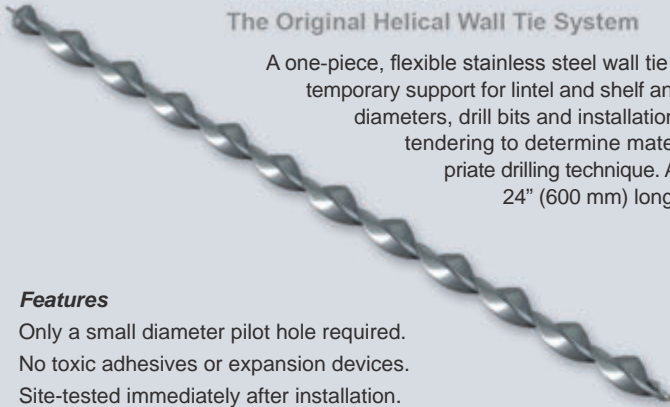
Typical Tork-Lok[®] Shaft Properties Ultimate Shaft Buckling Strength

Shaft Length (in.)	5-1/2	6-1/2	9-1/2	11-1/2
Capacity (lb.)	1620	1425	1100	725

Typical Tork-Lok[®] Selection Chart (based on a typical 3-5/8" veneer)

	Hollow CMU	Solid CMU	Concrete	Brick	Clay Tile	Wood	Metal Stud	Steel
500		•	•	•	•			
510	•	•	•	•	•			•
520							•	•
530						•	•	

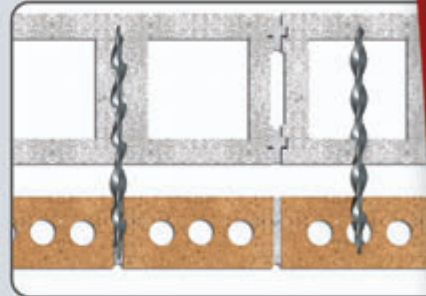
SPIRA-LOK® The Original Helical Wall Tie System



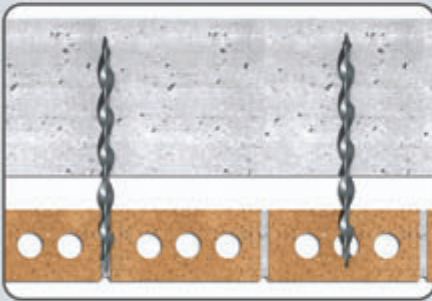
A one-piece, flexible stainless steel wall tie for pinning masonry to new or existing walls. Also suitable for temporary support for lintel and shelf angle replacement. The dry-set technique may involve various tie diameters, drill bits and installation tools. An on-site survey should be carried out prior to project tendering to determine material strength, tie diameter & length, pilot hole size and appropriate drilling technique. Available in 6 mm, 8 mm or 10 mm diameter x 6-1/8" (155 mm) - 24" (600 mm) long. Stainless Steel Type 304 (316 available by special order).

Features

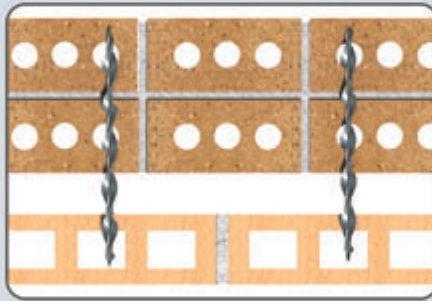
- Only a small diameter pilot hole required.
- No toxic adhesives or expansion devices.
- Site-tested immediately after installation.
- Functional in a wide variety of building materials.
- Able to withstand cyclic loading.
- Accommodates differential movements between materials.
- Does not stress or fracture fragile substrates.



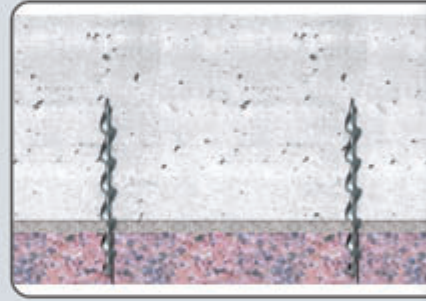
Brick to Concrete Block



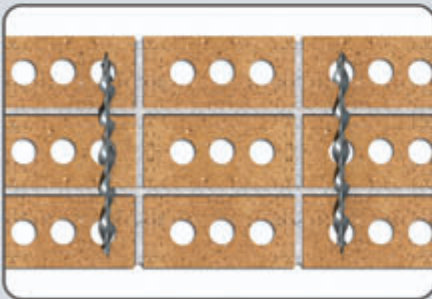
Brick to Concrete
(mortar joint or solid brick)



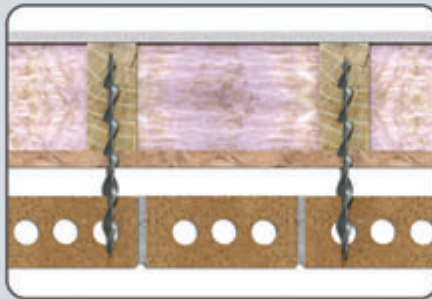
Terra Cotta to Masonry



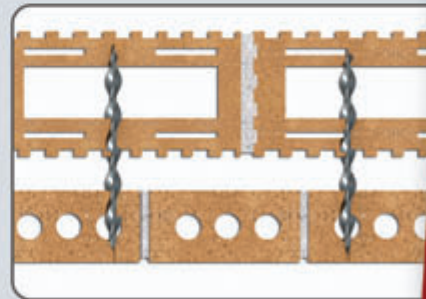
Dimensional Stone
to Concrete or Masonry



Multi-Wythe Brick



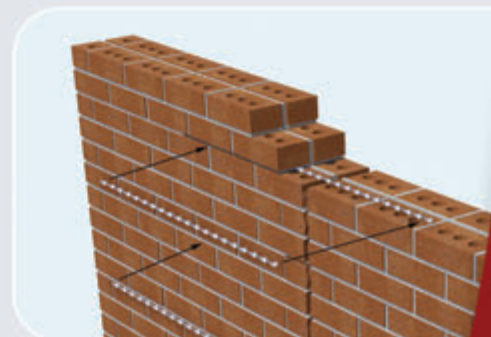
Brick to Wood Stud
(mortar joint or solid brick)



Brick to Clay Tile

SPIRA-BAR®

Used for stitching distressed masonry. Spira-Bar® is "grouted" in mortar joints to bridge cracked sections. Available in 6 mm or 8 mm diameter x 39" (1 m) long or 33' (10 m) coil. Stainless Steel Type 304 (316 available by special order).



BLOK-LOK[®] MASONRY REPAIR & RESTORATION

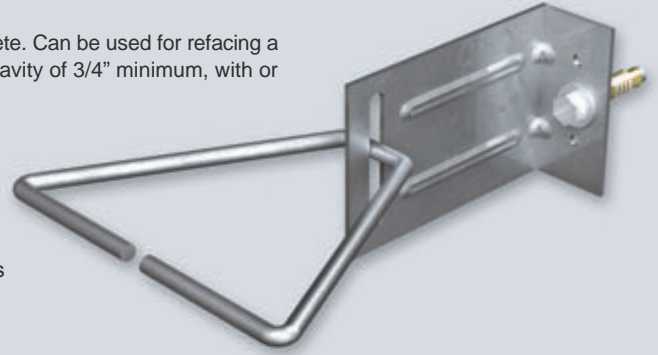
BRICK-LOK[®]

The refacing or veneering of an existing masonry or concrete structure requires a veneer anchor which meets applicable codes and installs easily. The selection process requires attention to the relative stiffness of the tie and the fastener. Blok-Lok ties and anchors fulfill relevant veneer anchoring criteria. The Blok-Lok product line includes the fastener that is capable of attaching the tie assembly to masonry, brick or concrete, without compromising the backup connection stiffness. Blok-Lok masonry anchors utilize a finished hex head expansion anchor that provides a quality control inspection method and eliminates interference with the tie or insulation.

BL-5407

Masonry fastener assembly for masonry and concrete. Can be used for refacing a brick veneer to masonry, concrete or brick with a cavity of 3/4" minimum, with or without insulation.

- Torque Activated: 50 – 100 in - lbs.
- Hex Head Finish – Low Profile
- Bolt Head Provides Inspection Source
- Low Profile Avoids Insulation or Tie Interference
- Zinc Plated or Stainless Bolt with Brass Expanders
- Fastener Preload > Four Times Design Load



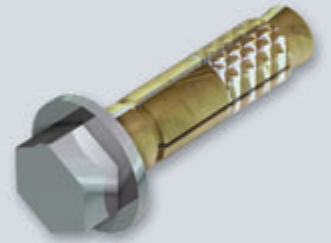
BL-5407 Shown with BL-523 Brass Expansion Bolt.

BL-523

BRASS EXPANSION BOLT

For fastening anchors to concrete, block, brick and into mortar joints. Sold only in conjunction with related anchors.

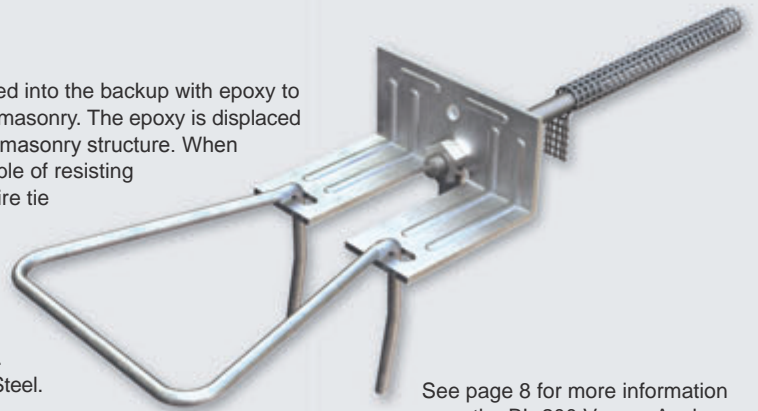
- Internal Bolt:* Type 304 Stainless Steel
- Washer:* Type 18-8 Stainless Steel
- Knurled Expansion Sleeve:* Brass 260 Alloy
- Expander Cone:* Brass 260 Alloy



BL-200-E

Epoxy Style Veneer Anchor

A threaded rod and screen tube are inserted into the backup with epoxy to chemically resecure veneer to concrete or masonry. The epoxy is displaced through the screen, filling any voids in the masonry structure. When cured, a connection is formed that is capable of resisting positive and negative loads. The BL-200 wire tie and plate system are then installed with a hex nut. Anchor plate has been designed for mounting on the surface of sheathing and accommodates insulation board from 0"-4" thick. Available in Hot Galvanized or Stainless Steel. Both rod and screen available in Stainless Steel.



See page 8 for more information on the BL-200 Veneer Anchor.

- Base Plates:* 14 or 12 gauge thick with legs to accommodate 0"- 4" insulation.
- Standard Wire Ties:* 3/16" (4.76 mm) diameter thick x 3", 4", 4-3/4" or 5-1/4" long.
- Threaded Rod and Screen Tube:* 1/4" diameter threaded rod x length to suit.



FLASHING SYSTEMS

SECTION C



Purdue University's Helen B. Schleman Hall This three-storey brick building, which houses the school's student services, was recently renovated using Flex-Flash® Flashing. Originally constructed by remodeling the Geosciences building with a 31,800 square foot addition in 1990, the recent renovation replaced deteriorated brick and stone. Schleman Hall is the first building on the Purdue campus to include a green roof. Purdue University is located in West Lafayette, Indiana.

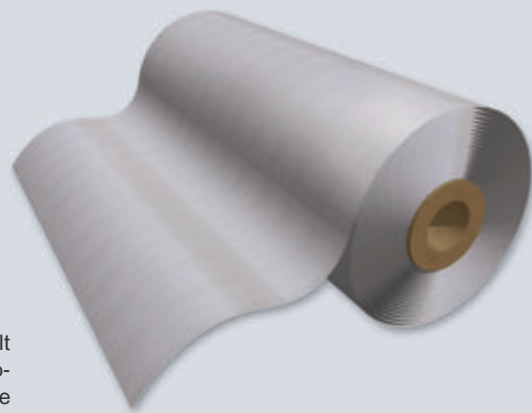
BLOK-LOK® FLASHING SYSTEMS

FLEX-FLASH® Thru-Wall / Surface-Mount Flashing

Moisture infiltration can occur at sills, projections, recesses, intersections and mortar joints. The solution begins with proper flashing. Flex-Flash® is a 40-mil thick product formulated with Elvaloy® Kee*. It does not drool and combines the best features of other types of flashing, making it a truly superior product.

- Extremely tough, with excellent impact and tear resistance
- Flexibility is maintained in all weather environments, even in extreme heat or cold
- Highly resistant to oils and repels most chemicals
- Not susceptible to UV degradation
- Compatible with most silicone and urethane sealants
- Suitable for thru-wall or surface-mount applications

Typical “peel-and-stick” flashings have a black, rubberized-asphalt component that can “drool” or leach out of the building in warm temperatures if not precisely installed, leaving unsightly marks that are difficult to remove. Flex-Flash® has a pressure-sensitive, clear adhesive that will not drool when exposed to UV or heat.



Flex-Flash® may be used in thru-wall or surface-mount applications. For surface-mount applications, apply to clean, dry surface. For surfaces where additional adhesion may be required, use Foam-Tak™ Hi-Performance Spray Adhesive. Termination Bars must also be used. Flex-Flash® should be extended beyond the wall face and cut flush with the brick. Optional Drip Plates may be used to effectively guide moisture to the exterior.

For maximum protection against moisture infiltration, specify the complete Flex-Flash® Flashing System, comprised of Flex-Flash®, Mortar Net™ (pg.19), Drip Plates (pg.30) and Termination Bar (pg.31).

U.S. Pat. No. 6,584,746 Other Patents Pending

Roll: 12", 16", 18", 20", 24", 36" wide x 50' long rolls

Sealant Compatibility Charts

At various locations in a wall system the thru-wall flashing and a construction sealant are used together to form a weather-tight seal, i.e. relief angles, soft joints, door and window perimeters. Flex-Flash® has been tested for adhesion and compatibility by various sealant manufacturers (see below). In all cases, the sealant manufacturer's application procedure should be followed and they recommend that field adhesion testing should be continued throughout all stages of the project.

NOTE: When using with insulation, please verify the compatibility with the manufacturer.

Urethanes			Silicones		
Company	Product	Primer Required	Company	Product	Primer Required
SIKA	Sikaflex-1A	#260-205	Dow Corning	790 & 791	1200 Prime Coat
Sonneborn	Sonolastic NP1	#733		795 (Dark colors only)	1205 Prime Coat
			GE Silicones	Silpruf	SS4179
			Pecora	890 & 895	P-120
			Tremco	Spectrum 2	#10

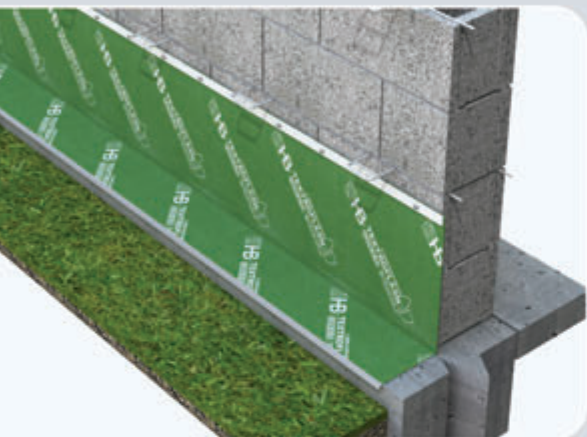
* Elvaloy is a registered trademark of the DuPont Company.

BLOK-LOK® FLASHING SYSTEMS

TEXTROFLASH™ GREEN Thru-Wall / Surface-Mount Flashing

Textroflash™ Green is a 40-mil thick composite membrane consisting of a proprietary clear adhesive laminated to a polyethylene sheet. It is adhesive-backed with removable release paper, and will not drool when exposed to UV or heat.

- Manufactured from 45% post-industrial and/or post-consumer recycled material.



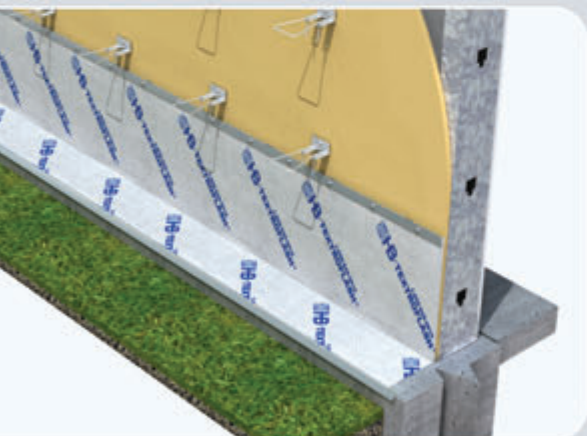
- Provides dual-layered waterproofing protection.
- Resists tearing and slicing.
- Laps easily, just press at overlap.
- Corners are easily formed on site.
- UV-resistant for up to 90 days.

Patents Pending

Roll: 12", 16", 18", 20", 24", 36" wide x 50' long rolls
Special widths available upon request.

TEXTROFLASH™ Thru-Wall / Surface-Mount Flashing

Textroflash™ Flashing is a 40-mil thick composite membrane with a new, proprietary adhesive that offers even more tackiness than the original Textroflash. This adhesive is factory-laminated to rugged, polyethylene sheeting, yielding a flexible membrane that is suitable for application to masonry, concrete, steel, gypsum and wood.



- Adhesive-backed with removable release paper, will not drool when exposed to UV or heat.
- Provides dual-layered waterproofing protection.
- Corners easily formed on site.
- UV-resistant for up to 90 days.

Patents Pending

Roll: 12", 16", 18", 20", 24", 36" wide x 50' long rolls
Special widths available upon request.

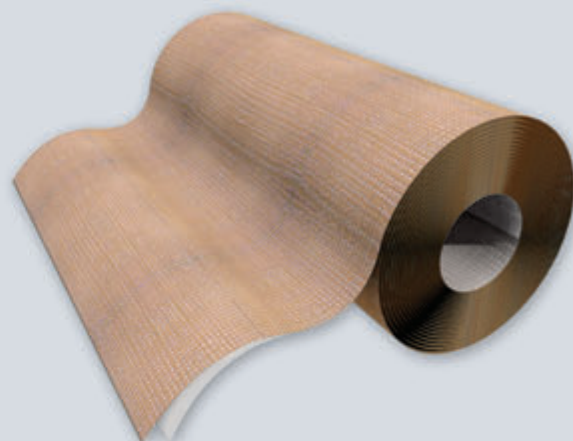
Textroflash™ & Textroflash™ Green Flashings may be used in thru-wall or surface-mount applications. A drip plate is required to effectively guide moisture to the exterior. A termination bar must also be used for surface-mount applications. Blok-Lok is not responsible for incompatibility resulting from the use of non-Blok-Lok products.



BLOK-LOK® FLASHING SYSTEMS

COPPER-TUFF™ SA Thru-Wall / Surface-Mount Flashing

Copper-Tuff™ SA is a self-adhering copper fabric flashing. A patented super-strong polymer coating is bonded to a 3, 5 or 7 oz. copper sheet for maximum performance. A fiber-glass scrim is embedded between this coating and the copper for excellent puncture and tear resistance.



U.S. Pat. Nos. 6,945,000 & 6,928,780.

Other Patents Pending

Roll: 12", 16", 18", 20", 24", 36" wide x 25' long rolls

- Compatible with ACQ and all other treatments for pressure-treated lumber.
- UV resistant for up to 120 days.
- Asphalt-free composition compatible with a variety of sealants.

Approved Sealants:

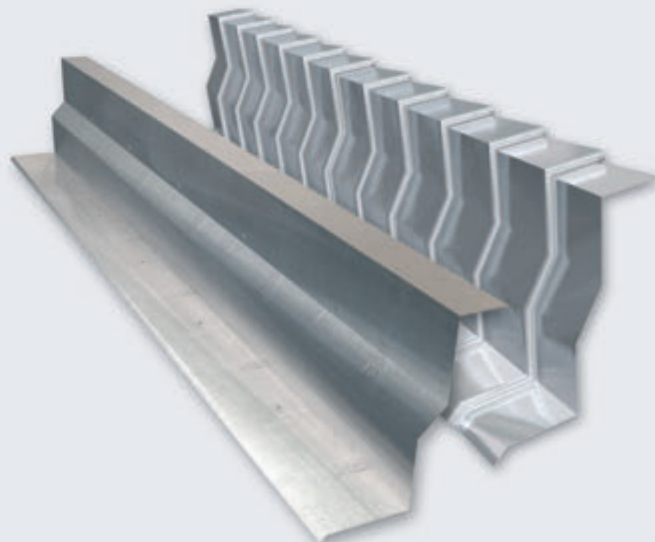
Dow Corning 756 SMS Building Sealant

Dow Corning 791 Silicone Weatherproofing Sealant

METAL FLASHING

Blok-Lok manufactures a variety of metal flashing products and accessories to suit numerous job conditions. Products include standard sheet flashings bent to custom sizes and shapes, pre-fabricated inside or outside corners, end dams, splice tape and reglets. Seen below are various product styles, each of which are manufactured per the dimensional requirements of the customer. Metal flashing products are manufactured from 26 ga. Type 304 stainless steel and 16 or 12 oz. copper. (Lead-coated copper, terne-coated stainless steel or other gauges are available on special order.)

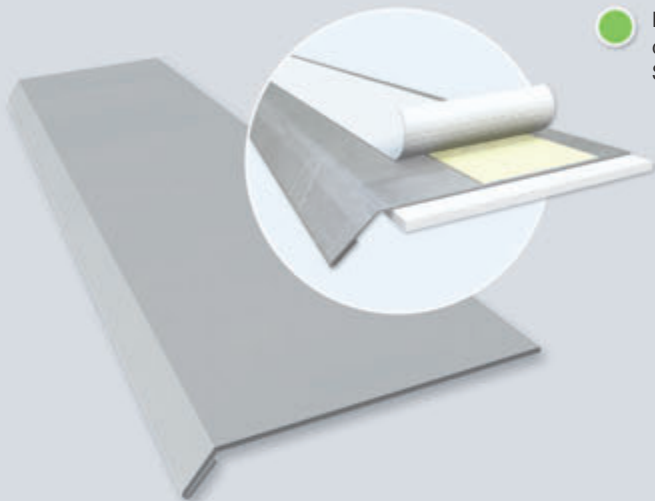
- Blok-Lok sources Stainless Steel from a wide variety of vendors. Per the International Stainless Steel Forum, Stainless Steel objects have an average of 60% recycled content.




DRIP PLATE

Blok-Lok Drip Plate is furnished with a smooth, factory-formed 45° hemmed edge for installation safety and uniform appearance. It is fabricated from Type 304 Stainless Steel. Also available in Type 316 stainless steel, copper and lead-coated copper. Stainless steel Drip Plates are compatible with all Blok-Lok flashing products. A Drip Plate must be used to aid egress of moisture from the wall. Available 1-1/2" - 3" wide x 8' long (other widths available on request).

U.S. Pat. No. 6,584,746 Other Patents Pending



 Blok-Lok sources Stainless Steel from a wide variety of vendors. Per the International Stainless Steel Forum, Stainless Steel objects have an average of 60% recycled content.



Optional Features:

DP-FTS

Factory-installed compressible foam strip underneath dri plate to act as a bond break and prevent air and moisture infiltration.

DP-FTSA

In addition to the "FTS" foam an adhesive strip is installed on the top side of the plate.

Also Available:

Inside and Outside Corners for Drip Plates

Pre-formed pieces with a smooth, uninterrupted, hemmed drip edge to maintain the integrity of the flashing system.

Packaging: 200 feet per bundle

FLEX-FLASH® DRIP PLATE

Flex-Flash® Drip Edge is a 60-mil thick product formulated with Elvaloy® Kee*. The durable, factory-formed extruded drip edge is fabricated 3" wide x 8' long plus 3/8" drip. Compatible for use with any Blok-Lok flashing products.

U.S. Pat. No. 6,584,746 Other Patents Pending

Available in colours to match mortar and/or brick:

Ivory, Brown & Grey




- Extremely tough, with excellent impact and tear resistance
- Flexibility is maintained in all weather environments, even in extreme heat or cold
- Highly resistant to oils and repels most chemicals
- Compatible with most silicone and urethane sealants
- Not susceptible to UV degradation

BLOK-LOK® FLASHING ACCESSORIES

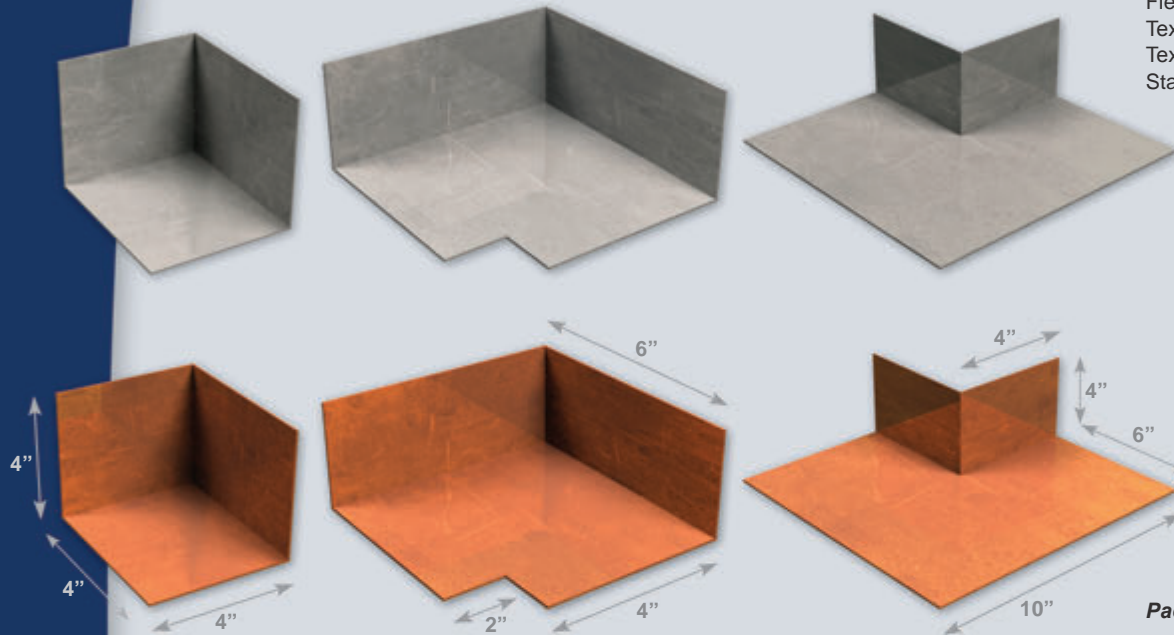
STAINLESS STEEL AND COPPER CORNERS & END DAMS

Pre-fabricated soldered inside corners, outside corners and end dams for all Blok-Lok flashings. Simply place underneath flashing for the ultimate protection against moisture penetration.

 Blok-Lok sources Stainless Steel from a wide variety of vendors. Per the International Stainless Steel Forum, Stainless Steel objects have an average of 60% recycled content.

Stainless Steel for use with:
 Flex-Flash® Flashing
 Textroflash™ Flashing
 Textroflash™ Green Flashing
 Stainless Steel Metal Flashing


Copper for use with:
 Copper-Tuff™ Flashing
 Copper-Tuff™ SA Flashing
 Copper-Flex™ Flashing
 C-Fab™ Flashing
 Copper Metal Flashing



Packaging: 25 pieces per box

TERMINATION BAR

Termination Bars are fabricated in two styles, both have 1/4" holes spaced 8" on center. **T1** is available in type 304 stainless steel, aluminum or plastic. **T2**, which has a 3/8" flange on top for easy caulking, is available in type 304 stainless steel only. Both are compatible with all Blok-Lok membrane and copper-laminate flashings. A Termination Bar must be used for surface-mount applications.

 Blok-Lok sources Stainless Steel from a wide variety of vendors. Per the International Stainless Steel Forum, Stainless Steel objects have an average of 60% recycled content.

U.S. Pats. No. 6,945,000 *Other Patents Pending*



3/8" flange on top for easy caulking



T1 Term Bar shown with a bead of caulk along the top.



RESIDENTIAL SYSTEMS

SECTION D



The construction of the above traditional, colonial brick house incorporated many of the quality products found in this section.

BLOK-LOK® WINDOW PRODUCTS

STRETCH-N-SEAL™ Window Pan Flashing



Stretch-N-Seal™ is a “stretchable” flashing tape made from an elastic nonwoven polyolefin membrane and adhesive. It is wrapped into the window pan opening before the window is installed, flashing the bottom corners at the window sill. Stretch-N-Seal™ is UV-resistant for 120 days.

It is manufactured from 45% post-industrial and/or post-consumer recycled material.

Patents Pending

Roll: 7” or 9” wide x 50 ft. long rolls



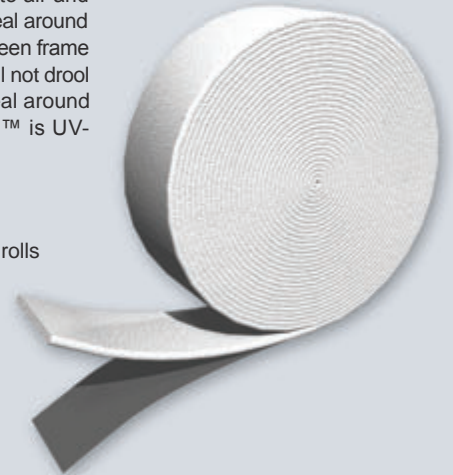
WRAP-N-SEAL™ Self-Adhering Window Wrap & Expansion Joint



Wrap-N-Seal™ is a self-adhering window wrap made with our patented “foam-flex” process, which allows optimal foam compression to maximize sealing properties. This renders the window flanges impervious to air and moisture. The foam forms a continuous seal around perimeter of the flange and internally between frame and rough opening. The clear adhesive will not drool or stain and is specially formulated to seal around screws, nails or staples. Wrap-N-Seal™ is UV-resistant for up to 90 days.

Patents Pending

Roll: 4”, 5”, 6”, 7” or 8” wide x 50 ft. long rolls



TOP-SEAL TAPE™ Over-Flange Tape



Top-Seal Tape™ is a self-sealing over-flange tape. The adhesive-backing (with removable release paper) will not rot, crack or drool like typical rubberized-asphalt adhesives. It is easy to install and resists tearing and slicing. Top-Seal Tape™ is UV resistant up to six months.

It is manufactured from 45% post-industrial and/or post-consumer recycled material.

Patents Pending

Roll: 4” x 50 ft. long rolls

For maximum weather-proofing, use in conjunction with Blok-Lok's Wrap-N-Seal™ window wrap.

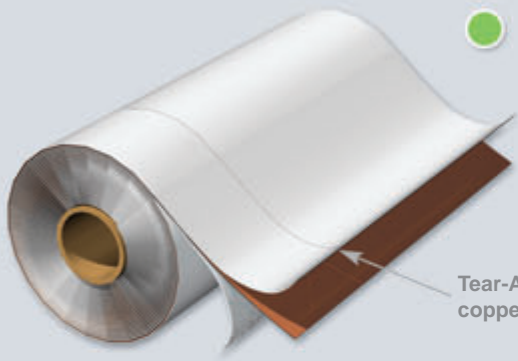


MITE-OUT[™] Copper Termite Shield with Sill-Seal

Mite-Out[™] Copper Termite Shield with sill-seal is a sheet of soft-tempered copper that is permanently coated on one side with a polyethylene membrane and Foam Sill Seal. It is compatible with ACQ and all other treatments for pressure-treated lumber. The asphalt-free adhesive will not stain concrete, vinyl or wood.

Mite-Out[™] is compatible with all adhesives, caulks and sealants.

U.S. Pat. No. 7,603,816. *Other Patents Pending*



Eco-Friendly alternative to using chemical pesticide treatments.

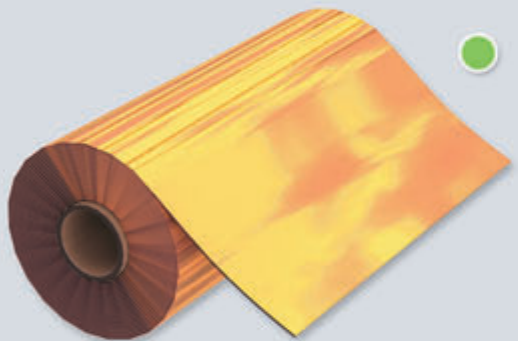
Tear-Away Strip protects copper during installation



Roll: 8", 10" or 12" wide x 50' long roll

COPPER TERMITE SHIELD

Copper Termite Shield is a sheet of soft-tempered copper that is permanently coated on one side with a polyethylene membrane. It is compatible with ACQ and all other treatments for pressure-treated lumber. Copper termite shield is lightweight, flexible and easy to work with. Conforms to any surface. Copper flashing has long been used in masonry construction due to its pliability and non-reaction to any alkalais or acids that may be found in mortar.



Eco-Friendly alternative to using chemical pesticide treatments.



Roll: 8", 10" or 12" wide x 50' long roll

SILL-SEAL

Sill-Seal is a flexible, non-cross-linked polyethylene strip primarily used to reduce air infiltration between the concrete foundation and sill plate. It works by compressing to seal the gaps between the foundation wall and sill plate. Closed-cell polyethylene foam won't fall apart on the jobsite or after years of use. Sill-Seal provides excellent resistance to water and water vapor. It is easy to install and does not irritate like fiberglass.



Eco-Friendly alternative to using chemical pesticide treatments.




Roll: 8", 10" or 12" wide x 50' long roll

BLOK-LOK[®] ROOFING PRODUCTS

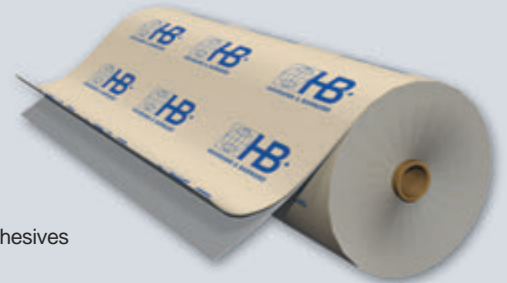
TRAC-SEAL[™] Self-Adhering Roofing Underlayment

Adhesive-backed with removable release paper
 Provides dual-layered waterproofing protection
 Resists tearing and slicing
 Laps easily, just press at overlap
 Specially treated non-slip tracks for worker safety
 Self-sealing: seals around fasteners
 120-day UV exposure
 Can be installed in temperatures at or above 25° F
 Durable: will not rot, crack or drool like typical rubberized-asphalt adhesives

 Manufactured from 45% post-industrial and/or post-consumer recycled material.

Patents Pending

Roll: 36" wide x 66 ft. long rolls



ROOFING UNDERLAYMENT

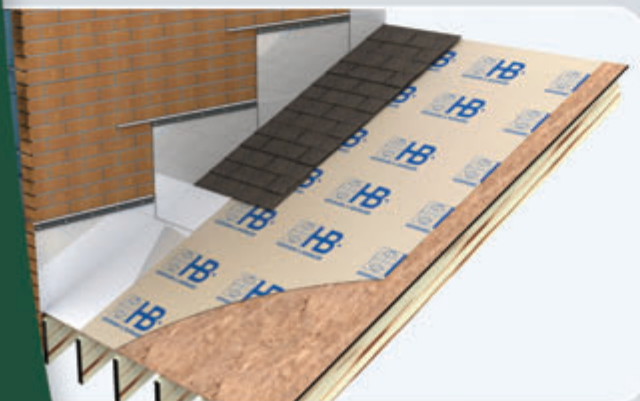
Roofing Underlayment is a polypropylene fabric with an anti-skid coating. Unlike smooth-surfaced underlayments, the anti-slip walking surface allows for steep-slope walkability. It is both lighter and stronger than 30# felt. It is engineered to perform over a wider operating temperature range compared to asphalt felt.

High Temperatures - Felts are prone to drying and cracking, and can leach out oils, which may result in an oily, slippery surface. Roofing Underlayment is 100% asphalt-free and not subject to any component leaching or loss of volatiles over time.

Low Temperatures - Felts have a tendency to become very rigid, stiff and brittle, and very difficult to roll out. Because asphalt felts contain paper, they are also prone to absorb water, become heavier, and freeze in cold weather, making the stiffness and unrolling problems even more pronounced. Blok-Lok's Roofing Underlayment is 100% synthetic, high-strength, flexible, engineered polymer that does not dry or crack under either low or elevated temperatures.

Patents Pending

Roll: 36" wide x 66 ft. long rolls



REINFORCING SYSTEMS

General

Spacing of longitudinal rods shall be approximately 2" (40 mm) less than the nominal wall thickness. Reinforcing shall be placed to assure 5/8" (16 mm) minimum mortar cover on the exterior face unless otherwise noted. For exterior application, horizontal joint reinforcement shall be provided at the top course immediately below roof and floor levels and the first two courses above and below every wall opening and the reinforcement shall extend 24" (609 mm) beyond such openings. Reinforcement shall be continuous with 6" (150 mm) overlap at all splices except that reinforcement shall not pass through control joints unless otherwise specified. The spacing of joint reinforcement in the wall shall be in accordance with CSAA370-04, and ACI-530. Note: Gauges and finishes will vary according to code requirements.

Placement Procedures

We recommend that continuous reinforcement be set on the wall in advance of the mortar and positioned to provide a minimum of 5/8" (16 mm) of mortar cover between the reinforcement and the exterior face of the masonry. Several lengths can be laid out with 6" (150 mm) of overlap at splices. After the mortar is applied, lift the reinforcement slightly to allow mortar to surround the wires.

SPECIFICATION OPTIONS

Single Wythe Walls

All single wythe masonry walls shall be reinforced with BL-10 ladder or BL-30 truss-type reinforcement as manufactured by Blok-Lok. Reinforcing shall be Standard 3.66 mm (9 ga.) wire conforming to ASTM A82 and CSA A370 and/or applicable building code approval.

Composite Walls

All composite walls shall be bonded and reinforced with Tri-Lok[®], Econo Cavity-Lok[®], 3-Wire Blok-Trus[®] as manufactured by Blok-Lok. The collar joint between wythes shall be filled solid with mortar or grout. Reinforcement shall be 9 ga. (3.66 mm) diameter wire conforming to ASTM A82 and CSA G30.3 and/or applicable building code approval. All composite walls where coursing of wythes do not align or where it is desirable to build one wythe before the other shall be bonded and reinforced with Adjustable Econo-Lok[®] or Adjustable Econo-Blok-Trus[®] as manufactured by Blok-Lok.

Cavity Walls

All cavity walls shall be bonded and reinforced with Tri-Lok[®], 3-wire Blok-Trus[®], Econo Cavity-Lok[®], Econo Cavity Blok-Trus[®], Cavity-Lok[®], or four wire Blok-Trus[®] as manufactured by Blok-Lok. Reinforcement shall be Standard 9 ga. (3.66 mm) wire conforming to ASTM A82 and CSA G30.3 with galvanized cross rods and/or applicable building code approval. All cavity walls, where coursing of wythes do not align or where it is desirable to build one wythe before the other shall be bonded with Adjustable Econo Cavity-Lok[®], Adjustable Econo Cavity-Lok II[®] or Adjustable Econo Cavity-Blok-Truss II[®] as manufactured by Blok-Lok.

Alternative Options

- Heavy Duty: 3/16" (4.76 mm) longitudinal wire and 9 ga. (3.66 mm) cross wire
- Extra Heavy Duty: 3/16" (4.76 mm) longitudinal wire and 3/16" (4.76 mm) cross wire
- Galvanized After Fabrication: to ASTM A153-B2-1.5 oz/sq.ft. (457 gm/sq. m)
- Mill Galvanized: for interior use only
- Stainless Steel: Blok-Lok recommends Type 304 / Type 316 Stainless Steel for maximum protection against corrosion.

CSA-A370-04

Connectors for Masonry

8.3.2: Tie Displacement and Free Play

8.3.2.1: Displacement and free play shall be measured and reported in accordance with Clause 12. The direction of measurement and of test-loading shall be normal to the plane of the wall.

8.3.2.2: The total free play of multi-component ties, including any free play between a tie component and the structural backing, when assembled, shall not exceed 1.2 mm.

8.3.2.3: When testing under a compressive or tensile load or 0.45kN, the sum of the displacement and free play of the tie shall not be more than 2.0 mm. Displacement includes all secondary deformations of the structural backing.

Notes: (1) The structural backing to which the masonry ties are fastened or supported may exhibit secondary deformations under service loads. These secondary deformations may include, but are not limited to, fastener slippage, nail slippage, flange rotation, bending and compression of load bearing insulation or sheathing. Secondary deformations should be considered in the design and evaluation of the assembly. (2) Displacement of the tie does not include the primary deflection of the structural backing.

8.3.2.4: Adjustable ties shall provide positive restraint at the positions of maximum adjustability, and shall satisfy the requirements of Clauses 8.3.2.2 and 8.3.2.3 at all positions of adjustment. Complies with relevant code standards of ACI-530, BIA, IBC, and CSA.

If possible, individual wire or sheet metal ties should be sliced into mortar after the mortar is placed, taking care to prevent hollow spots from forming under sheet material where water could penetrate the masonry.



www.blok-lok.com

sales@blok-lok.com

30 Millwick Drive
Toronto, Ontario M9L 1Y3

Tel: 1-800-561-3026
416-749-1010

Fax: 416-749-1017

For more information on The Hohmann & Barnard line of products, see www.h-b.com



Blok-Lok is concerned about the preservation of the environment. For further information regarding LEED certification or the recycled content of our products, please contact us.

Please pass this catalog on or recycle it.

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