



U.S. PATENT 6991400

If leakage and moisture penetration is caused by building movement or settlement with resultant "joint-checking", your stone caulk/sealant needs some assistance. Unknown building movement is among the primary causes of joint caulk/sealant failure. To specify a particular caulk/sealant, owner/architect must determine extremes of joint movement. Sealant manufacturers offer scribe kits to make these determinations and calculations.

Caulking/sealing a stone joint does not remove nor compensate for movement or settlement of a building. It is suggested the interposition of WEATHERCAP (as illustrated) in caulked/sealed stone joints to take the abuse of such stress is in order; and, WEATHERCAP, being an ADJUNCT to caulk/sealant, reduces the size opening of a joint to be caulked/sealed to assure improved, long lasting, leak-free joints.

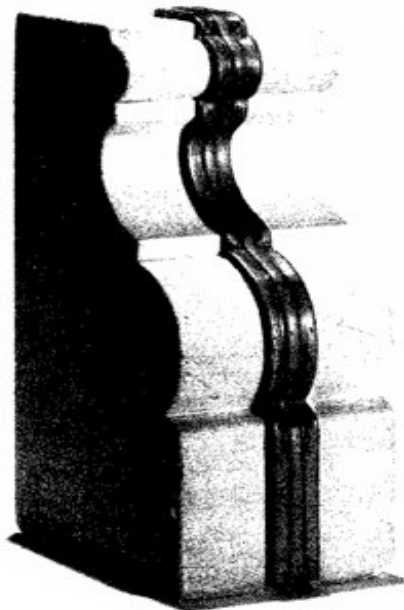
Interpose WEATHERCAP in your caulked/sealed joints. The selection of proper sized WEATHERCAP is controlled by measurement of joint opening to be caulked/sealed plus maximum percentage of joint movement experienced per scribe test plus 1/4". The aforesaid is the sum size of the outer dimension of each WEATHERCAP as installed (See chart on next page).

WEATHERCAP is a soft lead strip, when set and bedded in caulking compound/sealant, form a cap which assures a permanent elastic seal for any masonry joint. After installation, WEATHERCAP'S surface oxidizes rapidly to a dead neutral grey which blends with masonry.

It is made in Type A and Type B, as illustrated (not to scale), all shipments being in 6' lengths.

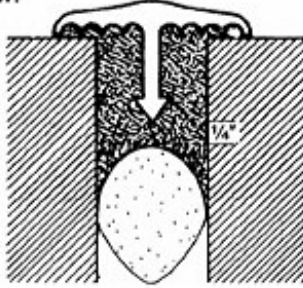
**WEATHERCAP® Joint Protective System
for horizontal and vertical joints in masonry**

Trade Parlance: "T" Caps; Lead Arrowheads, Stone Flashing, etc.



TYPE A (The flat cap)

For use in joints between units set in the same plane. It is stocked in five (5) sizes, illustrated (not to scale) as shown below:



All shipments in 6 ft. lengths.
Write or phone for current pricing.

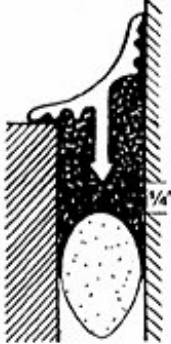
SIZES Order type	I.D. for joint sizes less than width of	O.D. coverage	± Approx. pounds per ft.
A-2 S***	3/8 in. *** 9.525 mm	9/16 in. *** 14.288 mm	0.26
A-3 S	7/16 in. 11.113 mm	11/16 in. 17.463 mm	0.38
A-4 S	3/4 in. 19.050 mm	1 in. 25.400 mm	0.54
A-6 S	1 1/4 in. 31.750 mm	1 1/2 in. 38.100 mm	0.83
A-8 S	1 1/2 in. 38.100 mm	2 in. 50.800 mm	2.5

S STOCK ITEM
* SPECIAL ORDER ITEM
HORIZONTAL AND/OR PERPENDICULAR ANCHORAGE
PERPENDICULAR ANCHORAGE ONLY
*** FOR NEW CONSTRUCTION INSTALLATION ONLY

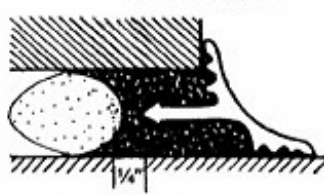
Type B (The 90° cove cap)

For use in joints between units set approximately at right angles to each other, reglets, belt courses, lintels, window sills, but never in vertical joints such as concrete tilt-up panels. The Cove Cap Type B is stocked in five (5) sizes designed so that the anchor shaft will fit into a joint either horizontally or vertically as illustrated below.

VERTICAL



HORIZONTAL



Types B-2, B-3 & B-4 are used in horizontal and/or vertical (perpendicular) anchorage. B-6 and B-8 are for perpendicular anchorage only

SIZES Order type	I.D. for joint sizes less than width of	O.D. coverage	± Approx. pounds per ft.
B-2 # S	5/16 in. 7.938 mm	3/8 in. 19.525 mm	0.19
B-3 # S	1/2 in. 12.700 mm	9/16 in. 14.288 mm	0.22
B-4 # S	5/8 in. 15.875 mm	3/4 in. 19.050 mm	0.40
B-6 ## S	3/4 in. 19.050 mm	1 1/16 in. 26.988 mm	0.67
B-8 ## S	1 1/4 in. 31.750 mm	1 3/4 in. 44.45 mm	2.5

S STOCK ITEM
* SPECIAL ORDER ITEM
HORIZONTAL AND/OR PERPENDICULAR ANCHORAGE
PERPENDICULAR ANCHORAGE ONLY
*** FOR NEW CONSTRUCTION INSTALLATION ONLY
Special orders of larger sizes and custom designs upon request

INSTALL TYPE A WEATHERCAP IN —

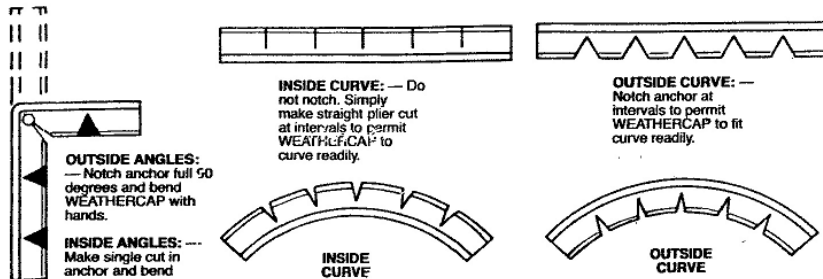
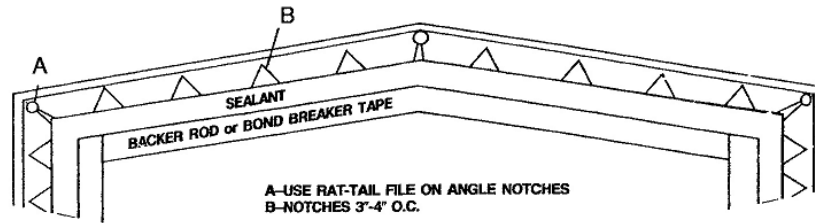
1. Top, side and cross joints of copings and balustrades. Extend from outer face, across top coping and down parapet side.
2. All cross joints on cornices and belt courses. Carry down at least 1 inch on front face of stone, or down front face of stone to first change in contour as desired.
3. All cross top joints on window and door lintels, entrance porticos, brackets, pilasters, water tables and any other piece of masonry which projects beyond the face of the building.

INSTALL TYPE B WEATHERCAP IN —

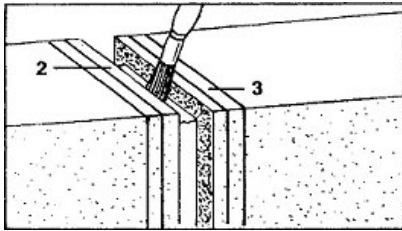
1. The joint at top of all cornices, belt course, or water tables, where such stone units join parapet wall or side wall of building at approximately right angles.

2. The joint at top of all projecting window or door lintels, entrance porticos, brackets, pilasters, and any other masonry projections where these units join side wall or parapet at approximately right angles.
3. All joints between sill of window frame and masonry supporting sill.
4. All joints around plain or ornamental window and door frames.
5. All right angle joints on building entrance steps where treads and risers meet, and where treads and risers join stringers.
6. All joints around perimeter of glass block windows or panels.

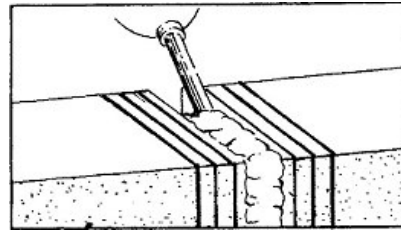
How to form WEATHERCAP®



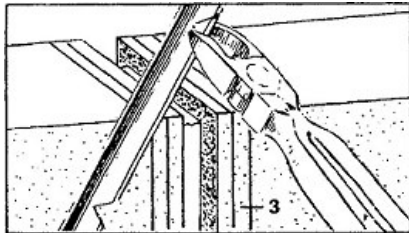
How to Install WEATHERCAP®



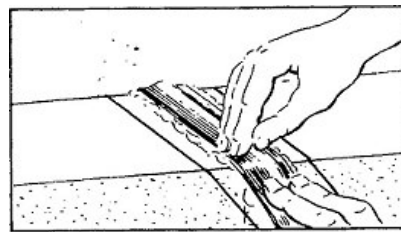
- A** — 1. Rake and clean joint.
2. Mark off width of WEATHERCAP on stone.
3. Apply 1" masking tape lateral to marks.



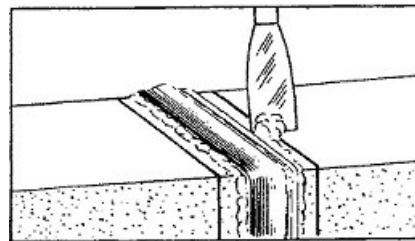
- C** — 9. Fill joint approx. 1/8" above face of stone with sealant/caulking compound.



- B** — 4. Cut and miter sections of WEATHERCAP with Stanley Hack Saw Blade 18T x 12 in. Notch shaft with hand clippers as illustrated.
5. Use clean, dry Weathercap.
6. Pre-fit and contour after notching anchor shaft of WEATHERCAP to allow for bending. Lift WEATHERCAP out of joint and apply metal primer, if required - allow for tacky dry.
7. Seat backer rod to proper compressed depth.
8. Prime stone, if required. Allow for tacky dry.
9. Place small bead of Sealant/Caulk to tacky metal surface to prevent air entrapment when sealed in place.



- D** — 10. Set WEATHERCAP in place, pressing firmly into sealant/caulking compound for sealing and shaping. Turn down at all angles and edges.



- E** — 11. Remove excess sealant/caulking compound, leaving finished joint neat and clean. Remove masking tape 48 hours later.

SAMPLE SPECIFICATIONS:

WORK INCLUDED: The work included in this contract shall be the furnishing of all materials and labor necessary for the proper installation of WEATHERCAP in masonry joints.

MATERIALS: WEATHERCAP shall be interposed in sealed/caulked joints.

JOINT PREPARATION: The applicator shall rake back and cut out all joints to a depth to accommodate anchor shaft length plus 1/4". The raked joint and adjacent stone work shall be clean, dry and free of all mortar, dust and old caulk/sealant. Mark off width of selected WEATHERCAP on stone; apply 1" masking tape lateral to these markings. WEATHERCAP shall be of proper width to cover the joint opening to be sealed/caulked *plus* allowance for percentage of anticipated or known joint movement experienced *plus* 1/4". Notch, pre-fit and contour WEATHERCAP in stone; lift out WEATHERCAP and prime same, if required, allowing for tacky dry. Place small bad of Sealant/Caulk to tacky metal surface to prevent air entrapment when seated to place.

Seat specified backer rod to proper depth of 1/4" below anticipated position of tip of WEATHERCAP anchor shaft. Prime stone, if required, allowing for tacky dry. With hand gun, having a nozzle of proper size to fit into prepared joint, fill joint solidly with selected sealant/caulk to an excess of 1/8" of masonry surface. Seat pre-contoured WEATHERCAP and press down to a firm bed so that the bonding grooves on the underside of WEATHERCAP are solidly filled and no voids exist between WEATHERCAP and masonry; strip off excess sealant/caulk, and when set, remove masking tape.

WEATHERCAP shall be laid in full 6' lengths, if possible. At all joining sections of WEATHERCAP, it shall be neatly mitered, coped or butted to produce a close fitting, weather resisting cap. When properly installed, WEATHERCAP is set wholly in sealant/caulk so that anchor shaft and grooved underside of cap are never in contact with mortar, masonry or backer rod. Additionally, at least 1/4" of caulk/sealant must be sandwiched between tip of anchor shaft and positioned backer rod.

WEATHERCAP Anchorage Relation to Backer Rod

Type	Width of Joint Less Than		Depth of Joint to Backer Rod	
	Inches	mm	Inches	mm
A-2	3/8	9.525	5/8	14.288
A-3	7/16	11.113	5/8	15.875
A-4	3/4	19.050	3/4	17.463
A-6	1 1/4	31.750	3/4	19.050
A-8	1 1/2	38.100	1 1/8	28.575
B-2	5/16	7.938	9/16	14.288
B-3	1/2	12.700	5/8	15.875
B-4	5/8	15.875	3/4	19.050
B-6	3/4	19.050	1	25.400
B-8	1 1/4	31.750	1/8	28.575

Estimated Quantities of Sealant Required for Installing Various Sized Types of WEATHERCAP.

Footage per Gallon & Meters per Liter				
Type	Width of Joint Less Than	Feet per Gallon	Metric Width of Joint Less Than	Meters Per Liter
			Inches	
A-2	3/8	74	9.525	6.0
A-3	7/16	58	11.113	4.7
A-4	3/4	31	19.050	2.5
A-6	1 1/4	17	31.750	1.4
A-8	1 1/2	10	38.100	0.82
B-2	5/16	89.6	7.938	7.21
B-3	1/2	51	12.700	4.1
B-4	5/8	37	15.875	3.0
B-6	3/4	31	19.050	2.5
B-8	1 1/4	11.20	31.75	.902

WARRANTY

WEATHERCAP cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with our products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without

warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products. Suggestions of uses should not be taken as inducements to infringe any particular patent.

Warning

Use of Lead products requires gloves and thorough washing of hands or body thereafter.



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WEATHERCAP, INC.
 P.O. Box 1776
 SLIDELL, LA 70459
 (985) 649-4000
 FAX (985) 847-1237