BITEC
BITUMEN TECHNOLOGY TM

Revised April 2007

PRODUCT TECHNICAL BULLETIN

COMPAFLASH BFS-2H

AN SBS MODIFIED BASE FLASHING SHEET FOR BUILT-UP ROOFS

BFS-2H is an SBS (Styrene Butadiene Styrene) base flashing sheet reinforced with spunbond polyester fabric. BFS-2H is durable, elastic and resistant to mechanical stress.

The purpose of base flashing is to provide a waterproof connection between the built-up roof and vertical walls or curbs which extend above the roof deck. BFS-2H is formulated in such a way as to provide a superior flashing material for those areas where stress from wall and deck movement occur.

It is required that base flashings be supported by a 45° dimensionally stable cant strip. The cant strip must be compatible with the roofing membrane, bond well to the deck and vertical wood nailer with hot roofing asphalt or an approved BITEC elastomeric adhesive, and be nailed into treated wood nailers that are mechanically fastened to the deck.

Base flashings shall be installed from a point 8" to 12" above the surface of the finished roof to the base of the cant strip, extending 5" onto the horizontal surface of the built-up, overlapping the roofing membrane. A counter flashing (metal, two piece through wall type is preferable) must be installed, overlapping the top of the base flashing a minimum of 4".

All base flashings must be coated with an approved BITEC roof coating.

BITEC approved adhesives shall be applied in accordance with the specific manufacturer's application instructions.

ADVANTAGES OF USING COMPAFLASH

- ★ System compatibility
- ★ Two-ply modified bitumen system
- ★ Excellent flexibility
- ★ Easy to apply
- ★ Good dimensional stability
- ★ Enhances modified bitumen system performance
- ★ Keeps your BITEC modified bitumen membrane system in total performance
- ★ Installed, covers 150 square feet

SPECIFICATION: BFS-2H.1

BITEC BASE FLASHING FOR VERTICAL WALLS, CURBS AND PARAPETS HAVING A METAL CAP FLASHING...

SECTION. 1.00
METHOD OF APPLICATION

1.01 - Over the roofing from a distance of 5" out from the base of the cant, on the cant and to the top edge of the vertical nailer, apply a uniform trowel coating of approximately 3.5 lbs. per 100 sq. ft. of approved BITEC elastomeric adhesive. Into this, embed one ply of fiberglass ply sheet. Lap ends 3" and cement.

1.02 - Over the entire surface apply a second uniform trowel coating of approximately 1.5 lbs. per 100 sq. ft. of approved BITEC elastomeric adhesive. Afterwards, into which, embed one ply of BITEC BFS-2H flashing material. Lap the ends 3" and cement. Extend a distance from base of the cant to top of the wood nailer.

1.03 - Nail the base flashing to the vertical wood nailer 1" below the top edge. Use flat head standard barbed roofing nails through a tin disc. Space nails 8" o.c..

1.04 - Over the surface of the base flashing, apply a brush coat of aluminum roof coating at a rate of 1-1/2 gal. per 100 sq. ft..

1.05 - Cap flashings must be installed from 8" to 12" above the surface of the finished roof and extend down 4" over the base flashing .

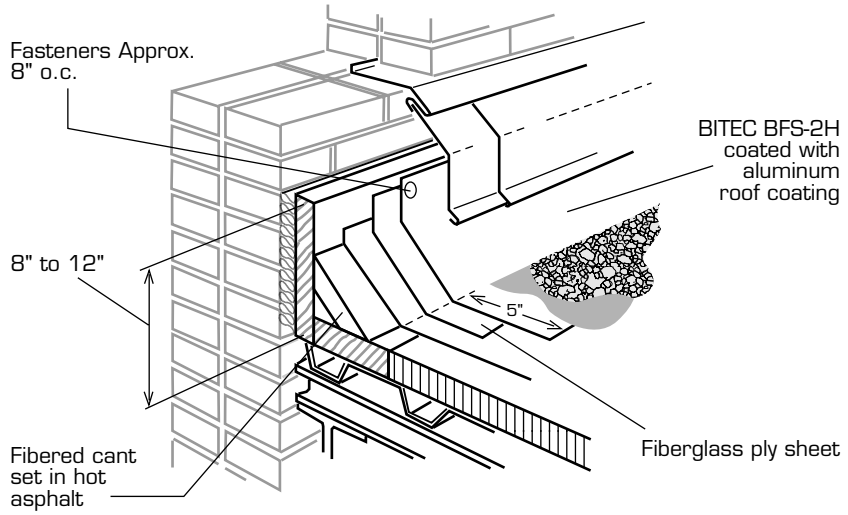
NOTE 1: Install thru-wall flashings at all walls, curbs, etc., not less than 10" nor more than 15" above roofing level to prevent water from possible wall leaks infiltrating behind the flashings.

NOTE 2: All drains and other projections through the roof should be placed at least 12" or more away from base flashings at walls, curbs, etc..

NOTE 3: At ambient temperatures below 45° F it is recommended that BFS-2H be installed in hot steep asphalt (min. 450° F) to yield good adhesion.

STEEP ASPHALT MAY BE SUBSTITUTED FOR APPROVED BITEC ELASTOMERIC ADHESIVE. IN WHICH CASE, PRIME THE MASONRY SURFACE TO RECEIVE FLASHING WITH ASPHALT. REFER TO BITEC SPECIFICATION AND DETAILS PUBLICATION FOR PROPER ASPHALT GRADE.

DETAIL BFS-2H.1



Typical Flashing Detail using BITEC BFS-2H

SPECIFICATION: BFS-2H.2

THIS SPECIFICATION IS DESIGNED FOR USE WITH BFS-2H BASE FLASHING. COMPLETE THE BFS-2H INSTALLATION BEFORE THE WALL COVERING INSTALLATION IS STARTED. NAIL BASE FLASHING TO WALLS WITH ADEQUATE FASTENERS, 12" APART, MAX.

SECTION. 2.00
METHOD OF APPLICATION

2.01 - Vertical application: Following the installation of base flashing in accordance with BITEC SPECIFICATION NO. BFS-2H.1, prime the surface of the wall to be covered with a coat of asphalt primer. Apply primer uniformly over all surfaces and allow to dry.

2.02 - Apply a trowel coat of approved BITEC elastomeric adhesive 1/8" thick over all surfaces to receive protection. Extend the trowel coating at least 4" over the base flashing, and on top of the wall to within 1/2" of the outside edge.

2.03 - Embed one starter ply of fiberglass ply sheet, 18" wide into the approved BITEC elastomeric adhesive, running sheet vertically from at least 4" below the top of the base flashing up the wall and to within 1" of the outside edge of the wall.

2.04 - Over this surface, apply a second trowel coat of approved BITEC elastomeric adhesive, approximately 1/8" thick, feathering out both top and bottom edges.

2.05 - Embed a second ply of fiberglass ply sheet, the full 36" width sheet, over the starter strip, running the sheet vertically from at least 4" below the top of the base flashing up the wall and to within 1" of the outside edge of the wall.

2.06 - Apply a trowel coat of approved BITEC elastomeric adhesive over the surface of the fiberglass ply sheet and alternately embed additional plies of fiberglass ply sheet and cement, lapping each sheet 19" over the underlying sheet as detailed above, until the entire wall area is covered.

2.07 - Coat the entire surface of the wall covering with a trowel coating of approved BITEC elastomeric adhesive, approximately 1/8" thick.

2.08 - Over the surface of the base flashing apply a brush coat of approved BITEC aluminum roof coating (fibrated) at the rate of 1-1/2 gal. per 100 sq. ft.

SECTION. 3.00
METHOD OF APPLICATION

HORIZONTAL APPLICATION AT THE APPLICATOR'S OPTION, DEPENDING UPON WALL HEIGHT, TWO PLIES OF FIBERGLASS PLY SHEET MAY BE APPLIED HORIZONTALLY. IN SUCH A CASE, FOLLOW STEPS 2.01 AND 2.02, THEN BEGIN WITH 3.01.

3.01 - Embed one ply fiberglass ply sheet horizontally into approved BITEC elastomeric adhesive as detailed above, pressing firmly and uniformly to eliminate air pockets and to embed sheets. Place the bottom edge of the felt down over the base flashing at least 4" and carry the sheet up and over the top of the wall to within 1/2" of the outside edge, under the coping. Lap ends of the sheets 3" and cement with approved BITEC elastomeric adhesive.

3.02 - Over this surface apply a second trowel coating of approved BITEC elastomeric adhesive, approximately 1/8" thick.

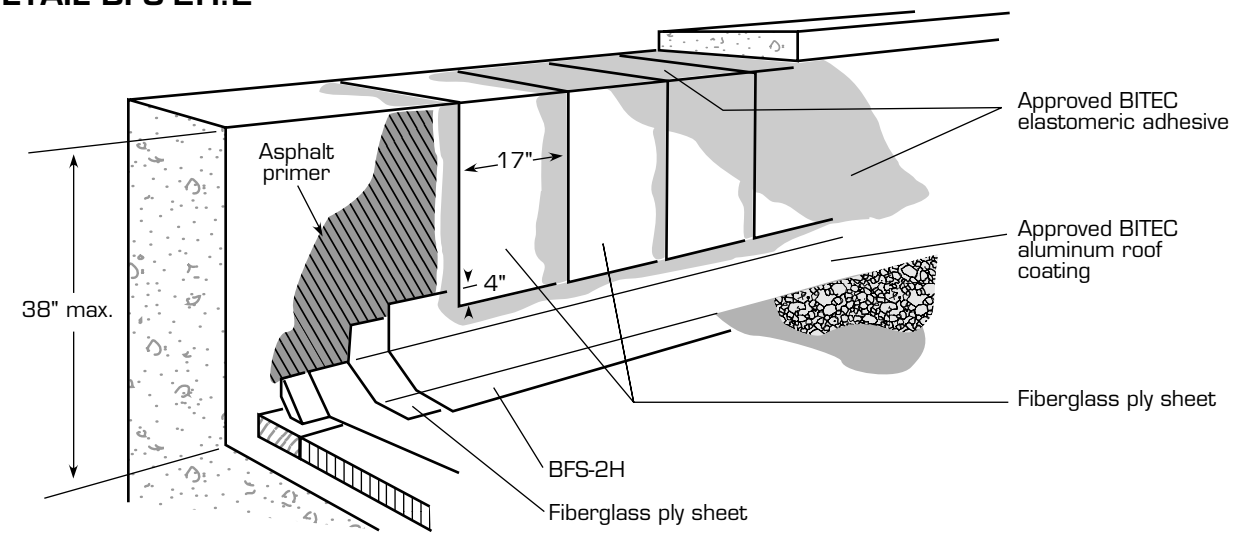
3.03 - Embed a second ply of fiberglass ply sheet horizontally into the approved BITEC elastomeric adhesive, pressing carefully to avoid air pockets and breaking joints with underlying sheets. Lap ends 3" and cement laps. Extend second felt 2" beyond first, onto base flashing.

3.04 - Coat the entire wall surface covering with a trowel coating of approved BITEC elastomeric adhesive approximately 1/8" thick.

3.05 - If the wall height requires a second tier of fiberglass ply sheet, the lower courses must be nailed into a mortar joint or nailing strip at 8" intervals along the top edge of the sheet. Lap subsequent higher courses 4" over the lower courses.

3.06 - Over the surface of the base flashing, apply a brush coat of aluminum roof coating at the rate of 1-1/2 gal. per 100 sq. ft.

DETAIL BFS-2H.2



Note: This detail is for use only when deck is supported by wall.

For more information concerning this and other fine BITEC products,

CALL 1-800-535-8597

Ask for Manager, Technical Services

TECHNICAL SCHEDULE

USE	Built up Roof Flashings
APPLICATION	Hot mop / adhesive
MODIFIER	SBS
ROLL SIZE	3.28 ft x 49.2 ft
COVERAGE	150 ft^2
SURFACING	fine sand
THICKNESS	2 mm (80 mils)
NOMINAL WEIGHT	70 lbs.
REINFORCEMENT	Spunbond polyester fabric
SOFTENING POINT (ASTM D-36)	240° F (116° C)
COLD FLEXIBILITY (UNI-8202)	-14° F (-10° C)
TENSILE STRENGTH, LBF/IN (ASTM D-412)	Long. 105 Trans. 80
% ELONGATION TO BREAK (ASTM D-412)	Long. 50 Trans. 50

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