

FM APPROVED PRODUCT/SPECIFICATION-TESTED REVISION REQUEST FORM Manufacturer's Tracking Number



SENDER: Forward one original copy with updated drawings or other appropriate changes to the attention of FM Approvals. Original forms will be returned showing course of action taken.

FORWARD TO:
 FM Approvals
 1151 Boston-Providence Turnpike
 P.O. Box 9102 Norwood, MA 02062 USA
 T: +1 (978) 762 4300 F: +1 (1)781 762 9375
 E-mail: approvals@fmglobal.com
 FM Approvals Representative: Mike Burke

Please provide the following information below: Attention of, Company Name, Address, State & Zip Code.

ES Products, Inc.
 PO Box 810
 280 Franklin Street
 Bristol, RI 02809
 USA

DATE SUBMITTED (MM/DD/YY)	1-24-08
SUBMITTED BY	John Barker
SUBMITTER EMAIL ADDRESS	john_barker@esproducts.com
SUBMITTER PHONE	401-253-8600
SUBMITTER TITLE	President

Customer ID: 100000295 Company Website esproducts.com

TYPE OF CHANGE (CHECK ALL THAT APPLY):		FORMER NAME/ADDRESS/CONTACT
<input type="checkbox"/> COMPANY NAME CHANGE (New name above)		
ADDRESS CHANGE		
<input type="checkbox"/> BILLING (New address above)		
<input type="checkbox"/> PRODUCT LISTING (New address above)		
<input type="checkbox"/> MANUFACTURING (New address above)		
IF MANUFACTURING LOCATION CHANGE, WHICH FM-APPROVED PRODUCTS ARE MANUFACTURED AT THE NEW FACILITY?		
<input type="checkbox"/> CONTACT CHANGE (New contact above)		
<input type="checkbox"/> PRODUCT/MODEL/TYPE CHANGE	PRODUCT DESCRIPTION/MODEL NO:	
TYPES OF APPROVAL/CERTIFICATION AFFECTED BY THIS PRODUCT CHANGE (CHECK ALL THAT APPLY): US <input type="checkbox"/> CA <input type="checkbox"/> ATEX <input type="checkbox"/> CPD <input type="checkbox"/>		
INDICATE FM APPROVALS ORIGINAL PROJECT ID:		
<input checked="" type="checkbox"/> OTHER CHANGE (Describe)	See below	
REASON FOR CHANGE(S)/COMMENTS:		
Add new product, FM-290 Assembled Base Ply Fastener, as equivalent product to FM-90 and associated versions thereof, for base ply to LWIC based on pull out test results in 3024594.		

REVISION DETAILS	AFFECTED DRAWING NUMBER	REVISION	NEW DRAWING NUMBER	REVISION	US/CA/ATEX/CPD (INDICATE ALL THAT APPLY)
FM-290 Base Ply Fastener	None - New Product		290	10/31/07	

TAB TO CONTINUE TABLE

CUSTOMER ID: 100000295 ENGINEERING COMMENTS: SEE ATTACHED LISTING FOR DETAILS.	FOR FM APPROVALS USE ONLY		
	Master Agreement Implementation Date: 1/17/2008		
	Attachments: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
	REVISION REPORT J. I.	ACCESS IDENTIFICATION	CLASS NUMBER
	0202 AG AM	79703581207	
	REVISION ACCEPTED <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Third Signature Required		
	EXAMINED BY (PRINT AND SIGN NAME)	DATE	
<i>[Signature]</i> MCB	3/12/08		
REVIEWED BY (PRINT AND SIGN NAME)	DATE		
<i>[Signature]</i> P Smith	3/12/08		
APPROVED BY (PRINT AND SIGN NAME)	DATE		
<i>[Signature]</i> R.P. Ferron	3/14/08		

COMMENTS CONTINUED ON ADDITIONAL PAGES

LISTING INFORMATION

ES Products Inc, 280 Franklin St, Bristol RI 02809

Trade Name:	FM-290 base ply fastener
Material:	Galvanized steel, with black urethane coating on cap only preassembled with 3.59 by 2.46 in. (91.2 by 62.5 mm) AZ-55 Galvalume steel rectangular disc with rounded corners
Size:	1.7 in. (43 mm) long diverging leg anchor
Drive Head:	2.42 by 1.28 in. (61 by 33 mm) rectangular cap with rounded corners
Plates:	None
Decks:	Sound Lightweight Insulating Concrete where fastener can be driven without damage to fastener or deck.

ES Products Inc, 280 Franklin St, Bristol RI 02809

Roof Cover:	Min 3-ply FM Approved organic or glass fiber felt built-up roof cover or FM Approved modified bitumen roof cover FM Approved for use with the base sheet or insulation. Specified single ply roof covers.
Deck:	Lightweight Insulating Concrete
Coating:	See roof cover listing
Laps:	See roof cover listing for roof cover laps, below for base sheet side laps
Application:	Secured to mechanically fastened base sheet or insulation secured with hot asphalt to mechanically fastened base sheet per roof cover listing.

Base Sheet:

Arrowbase, Arrowglass IV, Arrowglass VI, Modified Arrowbase, All Weather/Empire Base Sheet, Flex-I-Glas Base, Flex-I-Glas FR Base, Poly SMS Base, Prebase Base Sheet, APP 160, APP 80 Glass Base, MB Base, MB Base M, SBS Base, SBS Poly Base, SBS Poly Torch, SBS Premium Base, SBS Smooth, SBS Torch Base, GAFGLAS #75 Base Sheet, GAFGLAS Mineral Surfaced Cap Sheet (granules down), GAFGLAS Ply 4, GAFGLAS Ply 6, GAFGLAS Stratavent Eliminator Venting Base Sheet (Nailable), HPR Glasbase, HPR Premium Glasbase, HPR Tribase, DynaBase, Glasply IV, Glasply Premier, JM APP Base Sheet, PermaPly No. 28, Ventsulation, Glass Fiber Base Sheet, Organic Base Sheet, #501 Premium 1 Fiber Glass SBS Base Sheet, #502 Premium Fiberglass Mineral Cap Sheet (granules down), #515 Fiberglass Standard Base Sheet, #605 Panoply SBS Base Sheet, Derbibase, Glass Base, Glass Ply IV, Elastobase, Irex 30, Irex HT, Parabase, Parabase FS, Parabase Plus, Sopraglass 100, Elastophene 180 Sanded, Elastophene Sanded, Modified Sopra G, Sopra G, Sopra IV, Sopra VI, Soprafix, Sopraglass 100, BASE-N-PLY, Glass-Base, Vapor-Chan, Versa Base, BURmastic Composite Ply, BURmastic Composite Ply Premium, BURmastic Glass Ply, BURmastic Glass Ply 28 lb, BURmastic Supreme Composite, USP NVB (Nailable Venting Base Sheet), USP™ Type IV, USP™ Base, DuraFlex™ 30 SBS Base, DuraFlex™ SBS PolyBase, DuraFlex™ 60 SBS Base, DuraFlex™ G4S SBS, Flex Base 30, Flex Base 60, Intec Modified Base 190P, Intec Modified Base Plus, PermaVent, Ultra Base, Ultra Cap (granules down), Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply and Pika Ply HI-TEC 60

Hail Rating:
ASTM E 108:

See roof cover listing
See roof cover listing

Construction #2: FM-290 base ply fasteners, FM-260 base ply fasteners, 1.7" Tandem FP base sheet fasteners, FM-260 V base ply fasteners, or 1.7" Tandem FPV base sheet fasteners may be substituted for FM-90 assembled base ply fasteners, 1.7" Assembled FP Base Sheet Fasteners, 1.7" LWC Base Ply Fastener, FM-60 base ply fasteners with FM-30 discs or 1.7" FP Base Sheet Fasteners with FM-30 discs in any of the following lightweight insulating concrete constructions provided the base sheet used is one of the following and is Approved for use in the specific construction. The windstorm, hail and fire classifications are those of the specific construction.

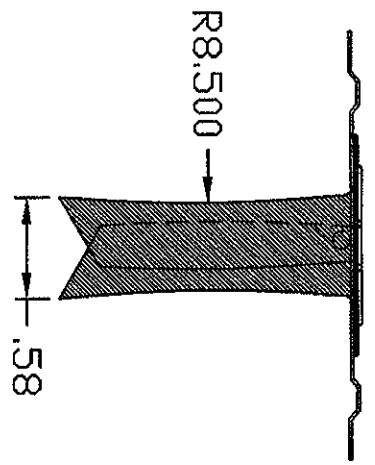
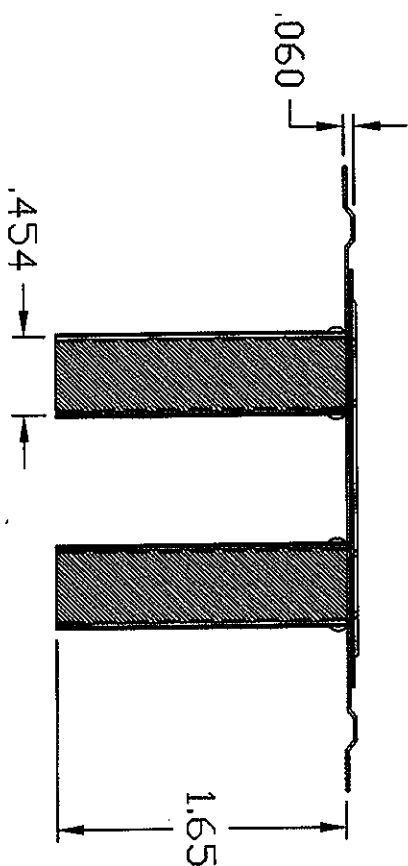
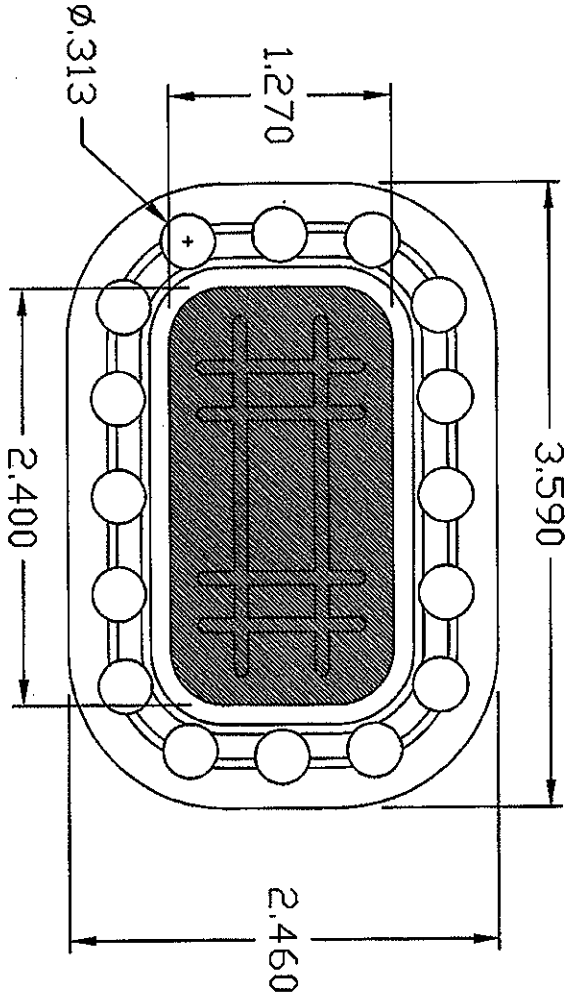
Base Sheets – Modified Arrowbase, Flex-I-Glas FR Base, Poly SMS Base, APP 160, SBS Base, SBS Torch Base, SBS Poly Torch, SBS Poly Base, SBS Premium Base, SBS Smooth Torch, HPR Tribase, Multi-Ply Glass CL, Pika-Ply Hi-Tech 60, Performance Ply, #605 Panoply SBS Base Sheet, Derbibase, Elastobase, Irex 30, Irex HT, Elastophene 180 Sanded, Soprafix, Versa Base, BURmastic Composite Ply, BURmastic Composite Ply Premium, BURmastic Supreme Composite Ply, Modified Base 190P, Flex Base 60.

TYPE OF LISTING: (Check all that apply)		
CANADIAN CERTIFICATION		
<input type="checkbox"/> <u>New Client/New Listing</u>	<input type="checkbox"/> <u>Addition to Client's listing</u>	<input type="checkbox"/> <u>Revised (changes part of listing)</u>
<input type="checkbox"/> <u>Revised (changes all of listing)</u>	<input type="checkbox"/> <u>Name Change (Company)</u>	<input type="checkbox"/> <u>Address Change (Approval Guide Address)</u>

INSERT LISTING HERE

ORIGINATOR Michael Burke	DATE 1-24-08 2/11/08	REVIEWED BY <i>[Signature]</i>	DATE 3/12/08
FOR ADMINISTRATIVE USE ONLY:			
AGREEMENT RECEIVED BY	DATE		
FOR AG OFFICE USE ONLY:			
DATE RECEIVED _____	CHECKED IN CSS _____	CHECKED IN ACCESS _____	CHAPTER & PAGE # _____

[Handwritten Signature]
3/14/08



NOTE:
 FASTENER TO BE COATED
 WITH BLACK URETHANE PER MATERIAL SPEC
 M106ZU AS SHOWN BY SHADED AREA
 MAT'L - M106Z ZINC GALVANIZED SHEET
 (G-90) .013 STK. THK.
 DISK MAT'L-.013 GALVALUME (AZ-55)

DRAWN: Dave C.		SCALE: FULL		DATE: 10-31-07		APPROVED:	
TITLE: 290 ASSEMBLED BASE SHEET FASTENER FULLY PAINTED				TOLERANCES UNLESS SPECIFIED		DWG. SIZE: A	
DRAWING NUMBER: 290		INCH		DEC .00		FRACTION	
		± .01		± .003		± 1/64	
		± .003		± .0003		± .5°	
LTR		E.C.O. No.		APR.		REV.	
REVISIONS		280 Franklin Street		Bristol, R.I. 02809			
		ESPRODUCTS					