

# FM-260

## SPECIFICATIONS

## BASE SHEET ATTACHMENT TO LIGHTWEIGHT INSULATING CONCRETE

### DESCRIPTION

Two legged fastener for attachment of base sheet to lightweight insulating concrete roofdecks. Designed specifically for applications that require maximum withdrawal resistance.

### COMPOSITION

**Fastener:** Precision formed from coated steel. Exposed surfaces are protected with an elastomeric polymer coating to prevent corrosion. 2.4" x 1.2" rectangular rib reinforced head. Two rectangular dual gripping legs, 1.7" long.

### TECHNICAL DATA

**Approvals:** FM-260 fasteners maintain Factory Mutual and Underwriters Lab Approvals.

**Fastening Pattern:** Consult Factory Mutual, Underwriters Lab, or Miami-Dade requirements for recommended pattern in normal, exposed, and hurricane areas.

**Field Testing:** On-site withdrawal testing should always be performed to evaluate the ability of the roofing substrate to satisfactorily accept and retain fasteners. Such testing may alter fastener selection and modify applicable fastening patterns.

**Note:** FM-260 fasteners must be used in conjunction with higher strength base sheets (listed on back) that provide the pullover performance necessary to match the additional withdrawal resistance the FM-260 delivers.

### INSTALLATION

**Equipment:** Always use the ES Magnetic Driver to assure proper fastener installation.

**Method:** Drive FM-260 as an ordinary nail. DO NOT TOE. Seat head flush with roofing surface (see installation).

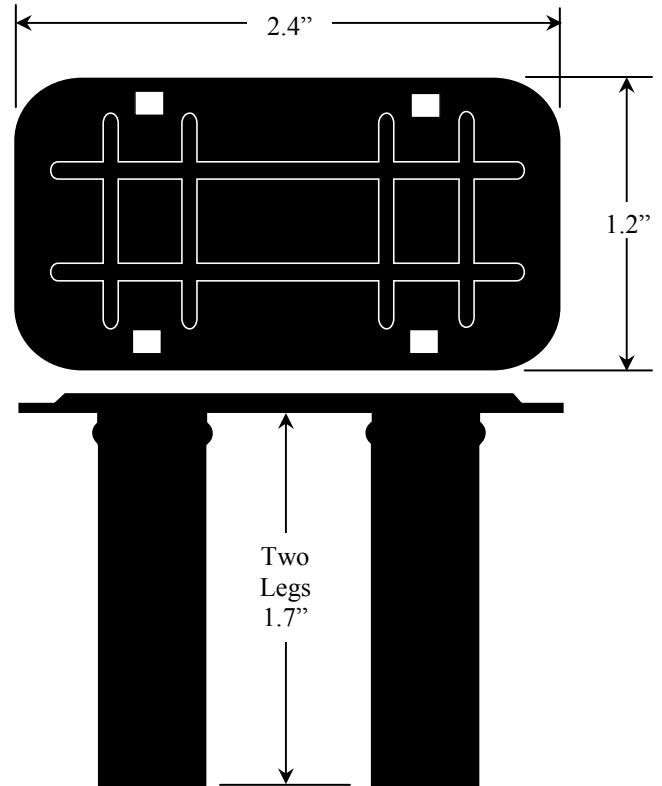
**Operation:** As FM-260 is driven, dual legs diverge and cut plugs of deck material that wedge and anchor the FM-260 in its own hole. No pre-drilling is required.

**Availability:** FM-260 is a patented product manufactured only by ES Products, Inc. and distributed by leading roofing material and equipment wholesalers throughout the United States.

**Packaging:** 1,000 FM-260 fasteners per carton. Gross weight: 42 lbs. Shrink wrapped and palletized.

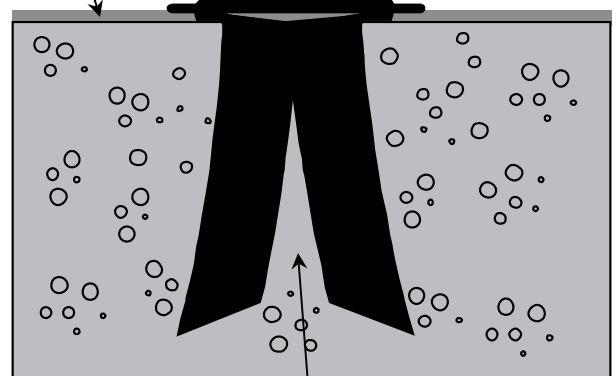
### PROUDLY MADE IN THE U.S.A.

**Warranty:** ES Products, LLC warrants its products for one year from date of sale against defective workmanship and material, and its liability therefore shall be limited to replacing defective products reported defective during the warranty period. ES Products is not responsible for any failure attributable to improper use or installation in any manner inconsistent with manufacturer's specifications. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, ALL OF WHICH ARE EXPRESSLY DISCLAIMED INCLUDING ANY WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR PARTICULAR USE. This warranty provides specific legal rights and remedies that may vary from state to state.



Use only approved  
base sheet materials

Elastomeric polymer coating  
protects exposed surfaces of  
fastener from corrosion



Fastener anchors itself in its own  
hole by cutting an inverted wedge  
of concrete. No pre-drilling  
required.



# ESPRODUCTS

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# BASE SHEET ATTACHMENT TO LIGHTWEIGHT INSULATING CONCRETE

## USING THE FM-260

Fastener density and spacing vary depending on applicable uplift requirements. Local codes, governing approval bodies, membrane manufacturers, and individual roofdeck manufacturers all may have specific requirements that need to be addressed prior to beginning any roofing project. The following illustrates a typical Factory Mutual Approved fastening pattern widely accepted for use by membrane and roofdeck manufacturers.

### FASTENING GUIDE CLASS I-90 WINDSTORM CLASSIFICATION

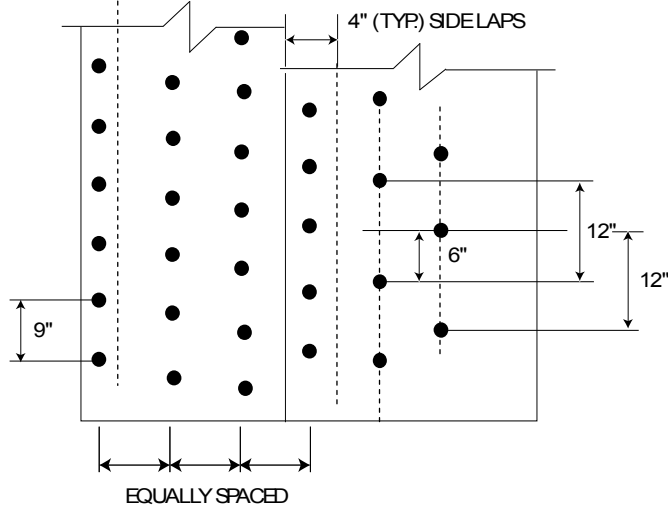
An FMRC-approved base sheet is secured to an FMRC-approved lightweight insulation concrete roofdeck as outlined in the current edition of the FMRC Approval Guide and/or RoofNav.

The base sheet is secured in the field of the roof with FM-260 fasteners installed 9" on center in the side laps and 12" on center in two staggered rows between the side laps.

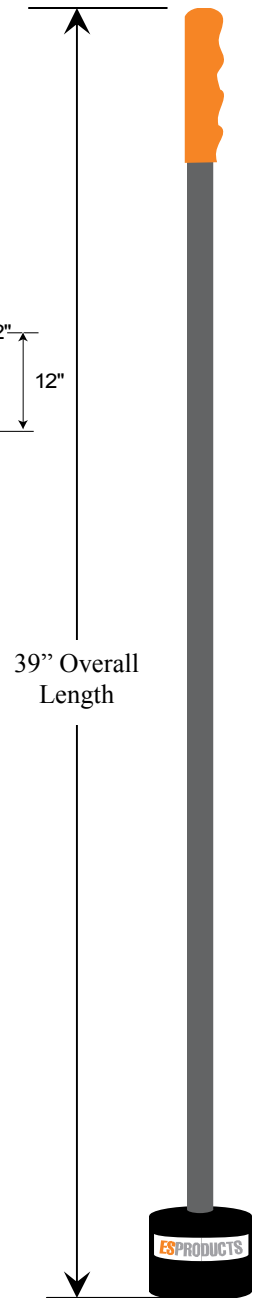
When fastening meter-wide material with this pattern, expect to use approximately 113 fasteners per square (100 ft<sup>2</sup>).

#### IMPORTANT:

Prior to roofing, on-site withdrawal testing should always be performed to evaluate the ability of the roofing substrate to satisfactorily accept and retain fasteners. Such testing may alter fastening selection and modify applicable fastening patterns.



Magnetic Driver

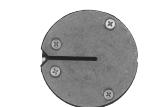


39" Overall Length

Typical high strength base sheets compatible for use with FM-260 fasteners include: Modified Arrowbase (Black Warrior Roofing), Flex-I-Glas FR Base (CertainTeed Corp), Poly SMS Base (CertainTeed Corp), APP 160 (Firestone Building Products Co), SBS Base (Firestone Building Products Co), SBS Torch Base (Firestone Building Products Co), SBS Poly Torch (Firestone Building Products Co), SBS Poly Base (Firestone Building Products Co), SBS Premium Base (Firestone Building Products Co), SBS Smooth Torch (Firestone Building Products Co), HPR Tribase (Garland Co Inc), Multi-Ply Glass CL (W P Hickman Systems Inc), Pika-Ply Hi-Tech 60 (W P Hickman Systems Inc), Performance Ply (W P Hickman Systems Inc), #605 Panoply SBS Base Sheet (Malarkey Roofing), Derbibase (Performance Roof Systems Inc), Elastobase (Polyglass USA Inc), Irex 30 (Siplast Inc), Irex HT (Siplast Inc), Elastophene 180 Sanded (Soprema Inc), Soprafix (Soprema Inc), Versa Base (Tamko Roofing Products Inc), BURmastic Composite Ply (Tremco Inc), BURmastic Composite Ply Premium (Tremco Inc), BURmastic Supreme Composite Ply (Tremco Inc), Modified Base 190P (US Intec, a Division of Building Material Corp of America), Flex Base 60 (US Intec, a Division of Building Materials Corp of America).

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Face of Driver