

# ES-60

## SPECIFICATIONS

### BASE SHEET TO LIGHTWEIGHT INSULATING CONCRETE AND VARIOUS GYPSUM ROOFDECKS

#### COMPOSITION

**Fastener:** Precision formed from coated steel. Rectangular dual gripping legs, 1.7" long.

#### TECHNICAL DATA

**Fastening Pattern:** Consult Factory Mutual or Underwriters Lab 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:** If Factory Mutual or Miami-Dade County approval is required, use ES Products FM-60 rather than the ES-60.

#### INSTALLATION

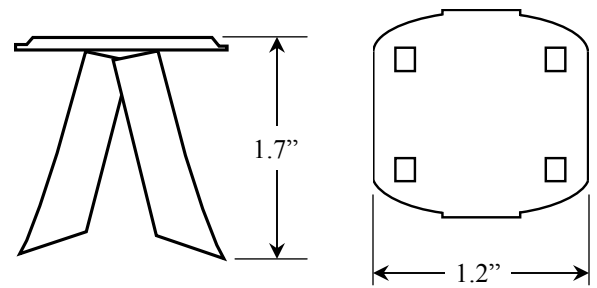
**Equipment:** Always use the ES Magnetic Driver to assure proper fastener installation.

**Method:** Drive ES-60 as an ordinary nail. DO NOT TOE. Seat cap flush with roofing surface (see illustration).

**Operation:** As ES-60 is driven, dual legs diverge and cut a plug of deck material that wedge and anchor the ES-60 in its own hole. No pre-drilling is required.

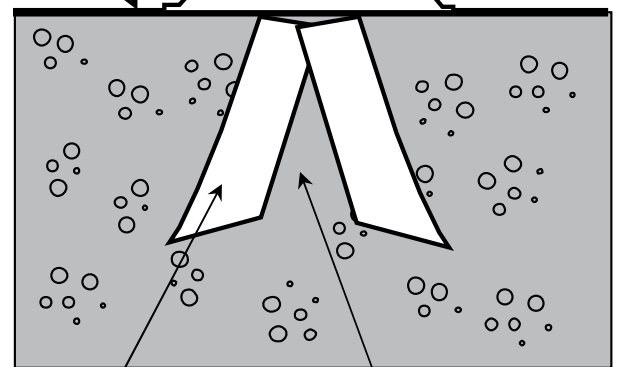
**Availability:** ES-60 is a proprietary product manufactured only by ES Products, Inc. and distributed by leading roofing material and equipment wholesalers throughout the United States.

**Packaging:** 3,000 ES-60 fasteners per carton. Gross weight: 57 lbs. Shrink wrapped and palletized.



Use only approved  
base sheet materials

Seat cap flush with roofing surface



Coated steel legs bond to the  
lightweight concrete. Holding  
power increases over time.

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

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

**Warranty:** ES Products, Inc. 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.

# ESPRODUCTS

280 Franklin Street • Bristol, RI 02809  
800-493-ROOF (7663) • esproducts.com

# ES-45

## SPECIFICATIONS

### BASE SHEET TO HIGHER DENSITY LIGHTWEIGHT INSULATING CONCRETE, NVS, AND VARIOUS GYPSUM ROOFDECKS

#### COMPOSITION

**Fastener:** Precision formed from coated steel. Rectangular dual gripping legs, 1.2" long.

#### TECHNICAL DATA

**Fastening Pattern:** Consult Factory Mutual or Underwriters Lab 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:** If Factory Mutual or Miami-Dade County approval is required, use ES Products FM-45 rather than the ES-45.

#### INSTALLATION

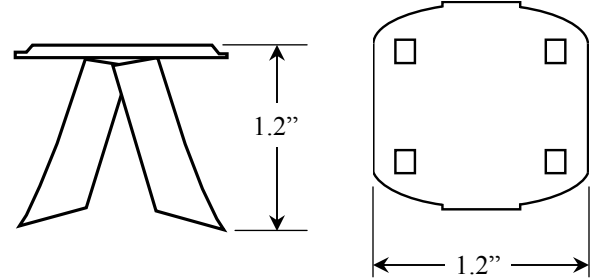
**Equipment:** Always use the ES Magnetic Driver to assure proper fastener installation.

**Method:** Drive ES-45 as an ordinary nail. DO NOT TOE. Seat cap flush with roofing surface (see illustration).

**Operation:** As ES-45 is driven, dual legs diverge and cut a plug of deck material that wedge and anchor the ES-45 in its own hole. No pre-drilling is required.

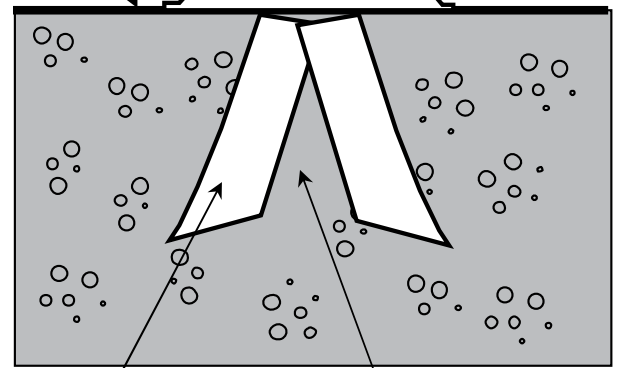
**Availability:** ES-45 is a proprietary product manufactured only by ES Products, Inc. and distributed by leading roofing material and equipment wholesalers throughout the United States.

**Packaging:** 3,000 ES-45 fasteners per carton. Gross weight: 53 lbs. Shrink wrapped and palletized.



Use only approved  
base sheet materials

Seat cap flush with roofing surface



Galvanized steel (G-90) legs  
bond to the lightweight concrete.  
Holding power increases over  
time.

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

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

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ES Products is not responsible for any failure attributable to improper use or installation in any manner inconsistent with manufacturer's specifications.

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