

FM-90 SPECIFICATIONS

COMPOSITION

Fastener: Precision formed from polymer coated steel to prevent corrosion. Rectangular dual gripping legs, 1.7" long.

Disk: Precision formed from coated steel to prevent corrosion. Integrally locked to fastener. Rib reinforced cap, 2.7" diameter.

TECHNICAL DATA

Approvals: FM-90 fasteners maintain Factory Mutual, Underwriters Lab Approvals, and Miami-Dade County 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.

INSTALLATION

Equipment: Always use the ES magnetic driver to assure proper fastener installation.

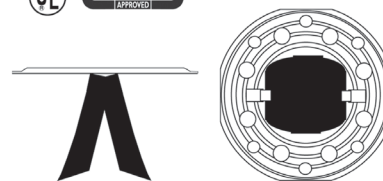
Method: Drive like an ordinary nail. DO NOT TOE. Seat cap flush with roof membrane.

Operation: As FM-90 is driven, dual legs diverge and cut a plug of deck material that wedge and anchor in it's own hole. No pre-drilling required.

Packaging: 1,000 per carton. Gross wt 40 lbs.

PROUDLY MADE IN THE U.S.A.

BASE SHEET TO LIGHTWEIGHT INSULATING CONCRETE AND VARIOUS GYPSUM ROOFDECKS

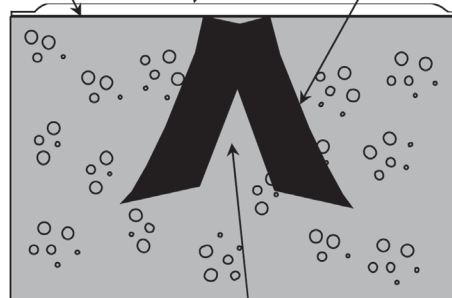


Length: 1.7 inches Diameter: 2.7 inches

Disk is integrally attached to fastener. Meets FM-4470.

Use only approved base sheet materials

Elastomeric polymer coating protects exposed surfaces of fastener from corrosion. Meets FM-4470.



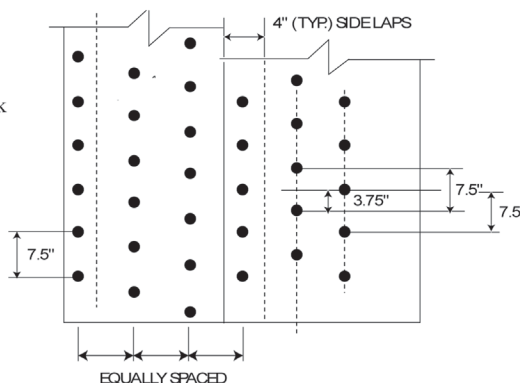
Fastener anchors itself in its own hole by cutting an inverted wedge of concrete. No pre-drilling required.

FASTENING GUIDE CLASS 1-90 WINDSTORM CLASSIFICATION

An FMRC-approved base sheet is secured to an FMRC-approved lightweight insulating 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-90 fasteners installed 7.5" on center in 4" wide side laps and 7.5" on center in two staggered rows, equally spaced, between the side laps.

When fastening meter-wide material with this pattern, expect to use approximately 165 fasteners per square (100 ft²).

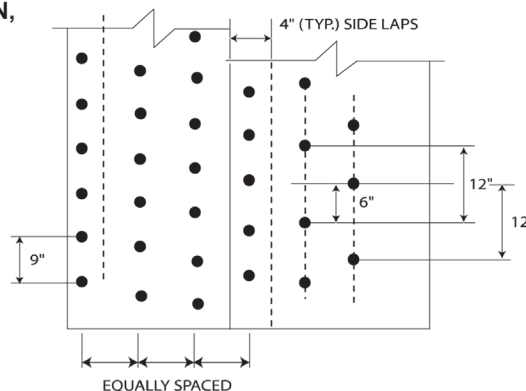


FASTENING GUIDE CLASS 1-120 WINDSTORM CLASSIFICATION, CELCORE NEW CONSTRUCTION ONLY

An FMRC-approved base sheet is secured to an FMRC-approved lightweight insulating 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-90 fasteners installed 9" on center in 4" wide side laps and 12" on center in two staggered rows, equally spaced, between the side laps.

When fastening meter-wide material with this pattern, expect to use approximately 113 fasteners per square (100 ft²).



All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)