



FiberTite Insulation Fasteners & Stress Plates

Product Data

FiberTite #14 Insulation Fasteners and Stress Plates are designed and engineered to provide enhanced load distribution for the attachment of insulation and cover-board.

DESCRIPTION

FiberTite Insulation Fasteners are engineered to secure approved insulation and cover-boards to steel, wood and concrete roof decks. FiberTite Insulation Fasteners have a heavy shank and deep thread diameter to provide high withdrawal resistance. The fasteners also include a deep #3 recess for ultimate bit engagement, a reduced drill point for quick cutting of steel and wood decks and a high quality E-coating for protection against corrosion.

FiberTite Insulation Stress Plates are available in either steel or plastic. FiberTite 3-in round steel insulation plates are finished with AZ50 galvalume and have a flat/flush profile for use on rigid board surfaces. FiberTite 3-in round "Sand-Dollar" insulation stress plates are manufactured from high impact resistant polypropylene, have a flat bottom profile and are designed to lock the FiberTite Insulation Fastener head into the plate.

All FiberTite Insulation Fasteners and Stress Plates exceed FM Global (FMG 4470) requirements for corrosion resistance and are FMG Approved for insulation and cover-board attachment in Class 1 Mechanically Attached or Adhered FiberTite Roofing Systems.

APPLICATION

FiberTite Insulation Fasteners and Stress Plates are designed and used for the preliminary attachment of rigid insulation and cover-boards in Mechanically Attached FiberTite Roofing Systems and for principle insulation and cover-board attachment in FiberTite Adhered Roofing Systems.

For fastener and stress plate placement, installation instructions, frequency and their correlation to specific approvals for wind resistance, consult the most current version of Seaman Corporation's Guide Specifications for the Installation of Mechanically Attached and Adhered FiberTite Roofing Systems.

PHYSICAL PROPERTIES

| | |
|-----------------|--------------------------------|
| Material | Case hardened Carbon Steel |
| Drive | #3 Phillips |
| Thread Diameter | 0.238 in (0.61 cm) |
| Shank Diameter | 0.180 in (0.46 cm) |
| Head Diameter | 0.448 in (1.1 cm) |
| Point Type | Drill |
| Coating | E-coat |
| Withdrawal Load | 540 lb+ (245 kg+) 22 ga. steel |

MINIMUM PENETRATION

| | |
|--|-------|
| Steel (thickness 22 ga (.028") through 18 ga. (.045")) | 0.75" |
| Plywood (min. thickness 0.75") | 0.25" |
| Wood 2x (1 1/2" thick) | 1.0" |
| Structural Concrete | 1.0" |

PULL OUT (LBS AVG.)

| | |
|--|-----|
| 22 ga | 540 |
| 20 ga | 630 |
| 18 ga | 900 |
| 4000 psi concrete | 850 |
| 3/4" plywood | 590 |
| 2x dimensional lumber (1" penetration) | 605 |



For more information on FiberTite Systems and accessories please call:
Seaman Corporation (800) 927-8578
International (330) 262-1111
www.fibertite.com

INTELLIGENT
ROOFING SOLUTIONS

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Subject to the conditions of Approval for a roof covering when installed as described in the current edition of the Approval Guide.



These specifications are current as of the date of printing. Revisions or additions may be issued periodically. For a listing, presentation, and download of the most recent data, visit:

www.fibertite.com/document-library/product-data-sheets