



PLYFAST® CONCRETE FLUTED NAIL

Description: PLYFAST® Concrete Fluted Nails are formed from heavy corrosion resistant steel and designed to secure insulation, coverboards, single-ply roof membrane, wood, and steel to structural concrete. It is a reliable and cost-effective fastening alternative to other mechanical fastening solutions. It is available in lengths from 1-1/2-in. to 12-in. The PlyFast Concrete Fluted Nail is also Factory Mutual approved. Head Style: Flat Pan Head.

Features & Benefits:

- Available with pan head.
- Heavier fluted shank for maximum strength and pullout resistance.
- For insulation/membrane attachment to structural concrete.
- FM approved.

Corrosion Coating: Corrosion resistant coating exhibits less than 15% red rust which meets or exceeds FM 4470 corrosion standards and withstands 30 cycles of the Kesternich DIN 50018 SFW 2.0 test.

Application: PlyFast® Concrete Fluted Nail must penetrate structural concrete decks a minimum of 1-in. Pre-drill a 3/16-in pilot hole at least 1/2-in deeper than fastener embedment using a carbide tip SDS or straight bit shank. Drive PlyFast® Concrete Fluted Nail as an ordinary nail. DO NOT TOE. Seat head flush with roofing surface. Drive the nail until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple. **Note: Care must be taken not to overdrive the nail and fracture the insulation facer.** Nail must be tight enough so that the plate does not turn.

Plate: Uses PlyFast® 3" Metal Stress Plate (sold separately).

Tools: The nail is intended to be installed with a hammer to minimum embedment of 1" until the head of the nail is properly seated in the plate. See PlyFast® Fastener Information Guide for specific details.

Approvals: PlyFast® Concrete Fluted Nail is listed or approved with Factory Mutual (FM). Contact U.S. Ply, Inc. for specific/applicable codes.

Fastening Pattern: Consult U.S. Ply Technical Department and/or Factory Mutual requirements for recommended patterns in normal, exposed, and high wind velocity areas.

Product Data: PLYFAST® Concrete Fluted Nail (typical)

Property	Concrete Fluted Nail-T
Head Type	Pan
Head Height	.088"
Head Dia. Max	.438"
Major Dia.	.212"
Shank Dia.	.202"
Ultimate Pullout Value	1450 lbf
Shear Strength	4200
Corrosion Resistance	< 15% Red Rust after 30 cycles

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Product Data: PLYFAST® Ordering Information (typical):

Product	Length*	Pieces/Box	Weight/Box
PlyFast® Concrete Fluted Nail	1-1/2"	500	7.5 lbs
PlyFast® Concrete Fluted Nail	2"	500	9.6 lbs
PlyFast® Concrete Fluted Nail	2-1/2"	500	12.1 lbs
PlyFast® Concrete Fluted Nail	3"	500	14.3 lbs
PlyFast® Concrete Fluted Nail	3-1/2"	500	16.7 lbs
PlyFast® Concrete Fluted Nail	4"	500	19.2 lbs
PlyFast® Concrete Fluted Nail	4-1/2"	500	21.5 lbs
PlyFast® Concrete Fluted Nail	5"	500	23.8 lbs
PlyFast® Concrete Fluted Nail	5-1/2"	500	26.1 lbs
PlyFast® Concrete Fluted Nail	6"	500	28.1 lbs
PlyFast® Concrete Fluted Nail	7"	500	33.1 lbs
PlyFast® Concrete Fluted Nail	8"	500	37.6 lbs
PlyFast® Concrete Fluted Nail	9"	250	21.0 lbs
PlyFast® Concrete Fluted Nail	10"	250	23.1 lbs
PlyFast® Concrete Fluted Nail	11"	250	25.8 lbs
PlyFast® Concrete Fluted Nail	12"	250	28.1 lbs

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.