



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



PROUDLY
MADE IN THE U.S.A.

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REV MAY 2023

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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

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