



PLYFAST® #12 ASAP FASTENER

Description: PLYFAST® #12 ASAP Fasteners are pre-assembled fastener and plate for faster installation. The #12 fasteners are formed from corrosion resistant steel and are designed to secure insulation to standard steel (18 ga.–24 ga.) and wood decks. It is available in lengths from 1-5/8-in. to 8-in. PlyFast #12 ASAP Fastener is also Factory Mutual approved. Head Style: Two head styles available - #3 deep recess Phillips drive or 1/4" Hex washer head.

Features & Benefits:

- Choice of pre-assembled #12 Fastener and compatible 3" metal plate with either #3 Phillips or 1/4" Hex head style.
- Heavier shank and thread diameters than most "standard" roofing fasteners for high pullout resistance.
- 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 #12 ASAP Fasteners must penetrate steel decks a minimum of 3/4-in., wood plank decks a minimum of 1-in. and 1/2-in. through the underside for plywood decks. Using a screw gun, drive the fastener 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 fastener and fracture the insulation facer.** Fastener must be tight enough so that the plate does not turn. For steel decks, Factory Mutual requires that the fastener penetrate the deck at the top flute.

Tools: For best installation result, use a variable speed 0–2500 RPM screw gun. Always use appropriate drive bit for fastener head. To speed installation, appropriate fastener parts are available pre-assembled or can be used with matching insulation plates, belted systems, or auto-feed installation tools. See PlyFast® Fastener Information Guide for specific details.

Approvals: PlyFast® #12 ASAP Fastener 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® #12 ASAP Fastener Phillips (typical)

Property	#12 Fastener D	#12 Fastener T
Head Type	#3 Phillips	#3 Phillips
Head Height	.118"	.110"
Head Dia. Max	.448"	.438"
Thread Major Dia.	.222"	.214"
Shank Dia.	.167"	.160"
Tensile Strength (lbs ult)	2410	2500
Shear Strength	1815	1900
Corrosion Resistance	< 15% Red Rust after 30 cycles	< 15% Red Rust after 30 cycles

Product Data: PLYFAST® #12 ASAP Fastener Hex (typical)

Property	#12 Fastener Hex D	#12 Fastener Hex T
Head Type	1/4" Hex	1/4" Hex
Head Height	.118"	.128"
Head Dia. Max	.448"	.385"
Thread Major Dia.	.222"	.214"
Shank Dia.	.167"	.160"
Tensile Strength (lbs ult)	2410	2500
Shear Strength	1815	1900
Corrosion Resistance	< 15% Red Rust after 30 cycles	< 15% Red Rust after 30 cycles



PROUDLY
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REV MAY 2023

Average Ultimate Pullout Values in Corrugated Steel Deck Substrates

Fastener	Thickness	24 ga.	22 ga.		20 ga.			18 ga.			
	Yield Strength	36.5 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi	33.0 ksi	80.0 ksi	102.0 ksi
#12 Fastener D	Pullout (lbf)		403	539			695			787	
#12 Fastener T	Pullout (lbf)	230	285	410	465	355	505	580	540	715	800

Average Ultimate Pullout Values in Wood Deck Substrates

Fastener	Thickness	Plywood			OSB		
	Yield Strength	15/32"	19/32"	23/32"	15/32"	19/32"	23/32"
#12 Fastener D	Pullout (lbf)	419	409	544	216	420	248
#12 Fastener T	Pullout (lbf)	365	475	720	300	325	440

Product Data: PLYFAST® Ordering Information (typical):

Product	Screw Length*	Pieces/Box	Weight/Box # 12 - D	Pieces/Box	Weight/Box # 12 - T
#12 ASAP Fastener-D #12 ASAP Fastener-T	1-5/8"	500	27 lbs	250	11.4 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	2-1/4"	250	14 lbs	250	12.3 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	2-7/8"	250	15 lbs	250	13.1 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	3-1/4"	250	16 lbs	250	13.6 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	3-3/4"	250	17 lbs	250	14.4 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	4-1/2"	250	18 lbs	250	15.4 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	5	250	19 lbs	250	16.1 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	6	250	20 lbs	250	17.5 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	7	200	17 lbs	250	19.1 lbs
#12 ASAP Fastener-D #12 ASAP Fastener-T	8	200	19 lbs	250	20.2 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.