

# PLYFAST™ #15 EXTRA HEAVY DUTY FASTENER

## Product Data Sheet

**Product Name:** PLYFAST™ #15 Extra Heavy Duty Fastener

**Product Description:** **Fastener:** #15 precision formed from heavy corrosion resistant steel that meets or exceeds FM 4470 corrosion standards and withstands 30 cycles of the Kesternich DIN 50018 SFW 2.0 test. **Thread:** #15 -13 single lead buttress threads per inch and a two-flute formed drill tip **Head:** Low profile #3 deep recess Phillips drive for positive driving. **Plate:** Uses PlyFast™ 3" Metal Stress Plate (sold separately).

**Back-out Resistance:** Tapered wedge entry action wedges the screw tightly into the deck to provide back-out resistance. Typical back-out steel deck (18 ga. through 24 ga.) 17-25 in/lbs.

**Use:** PlyFast™ #15 Extra Heavy Duty Fasteners are designed to attach insulation to steel (16 ga. – 22 ga.), wood and concrete decks. Also Factory Mutual approved for wood decks. Can be used to fastened base sheets through insulation to steel, wood and concrete decks. Note: Pre-drilling a pilot hole is required when fastening into concrete decks.

**Approvals:** PlyFast™ #15 Extra Heavy Duty Fastener is listed or approved with Factory Mutual (FM). Contact U.S. Ply, Inc. for specific/applicable codes.

**Fastening Pattern:** Consult Factory Mutual requirements for recommended patterns in normal, exposed, and high wind velocity 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:

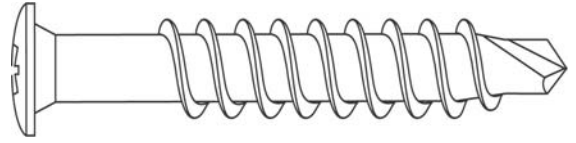
**Equipment:** Compatible with most power screwdrivers. Always use appropriate drive bit for fastener head.

### Standard Lengths:

Available in lengths of 1-1/2" to 6" in 1/2" increments and 7" – 12" in 1" increments.

### Packaging:

1,000 PlyFast™ #14 Heavy Duty Fasteners per carton up to 6" lengths.  
500 PlyFast™ #14 Heavy Duty Fasteners per carton in 7" to 12" lengths.



***U.S. PLY, INC.***

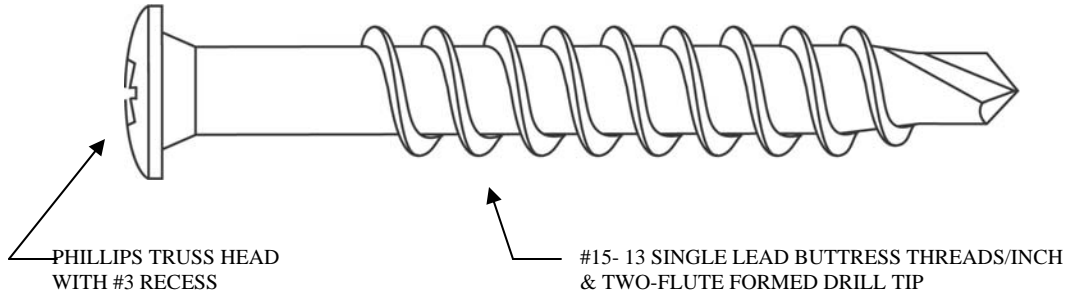
A DANNY ADAIR COMPANY

Corporate Headquarters: P.O. Box 11740, Fort Worth, Texas 76110  
TOLL-FREE: 877-62USPLY (877) 628-7759 • Local: (817) 413-0103 • Fax: (817) 413-8221  
Website: [www.usply.com](http://www.usply.com) • Email: [sales@usply.com](mailto:sales@usply.com)

# PLYFAST™ #15 EXTRA HEAVY DUTY FASTENER

## Product Data Sheet

### TECHNICAL DRAWING



Screw Length*	Thread Length*	Pieces/Box	Weight/Box
1-1/4"	FULL	1000	14.4 lbs
2"	FULL	1000	21.3 lbs
3"	2-7/8"	1000	28.6 lbs
4"	3-7/8"	1000	37.7 lbs
5"	3-7/8"	1000	46.4 lbs
6"	3-7/8"	500	28.2 lbs
7"	3-7/8"	500	32.7 lbs
8"	3-7/8"	500	38.1 lbs

Pull-out Values in Steel		Reverse Back-out Torque	
18 Ga.	916 lbs.	-----	
20 Ga.	646 lbs.	-----	
22 Ga.	538 lbs.	26 in/lb	
24 Ga.	442 lbs.	-----	
Pull-out Values in Wood		Pull-out Values in 3600 psi Concrete	
19/32" Plywood	485 lbs	1" Embmt.	1000 lbs
3/4" Plywood	517 lbs	Shear Strength at root diameter .157 nominal	
Wood Plank 1/2" Embmt.	543 lbs	1" Embmt.	2386 lbs.

- Screw Length =  $\pm 1/16"$
- Thread Length =  $\pm 1/16"$

**Note:** All tests were conducted by an independent testing laboratory. Results of these tests are offered only as a guide and are not guaranteed in any way by **U.S. Ply, Inc.** Designated holding values depend on the quality of materials being anchored to. **U.S. Ply, Inc.** recommends that pull-out tests be conducted to verify that the substrate provides adequate pull-out values.

**Limited Warranty:** U.S. Ply, Inc. warrants this product for one year from date of sale against defective workmanship and material, and its liability therefore shall be limited to replacing defective products reported defective during the warranty period. U.S. Ply, Inc. is not responsible for any failure attributable to improper use or installation in any manner inconsistent with manufacturer's specifications.

This limited warranty shall not apply if:

1. The integrity of the Screws and/or Plates is damaged during installation or otherwise;
2. The System has not been properly installed and maintained;
3. The System components have not been installed and maintained to prevent corrosion and/or deterioration due to moisture or chemicals prior to, during, and after construction;
4. PLYFAST Products have been repaired or altered in any way inconsistent with published installation instructions.
5. There is any damage resulting from accident, acts of God, alteration, negligence, misuse or abuse;
6. Depreciation or deterioration of building materials and/or roofing system components other than PLYFAST Products are a factor in or have contributed to the loss of satisfactory holding ability of the PLYFAST Products; or
7. PLYFAST Products are not installed with good workmanship or not in accordance with the then current FM Approved or other approved Wind Uplift Design application pattern, specifications, and procedures or not in accordance with U.S.PLY's most current specifications for installation and maintenance of such System.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, ALL OF WHICH ARE EXPRESSLY DISCLAIMED INCLUDING ANY WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR PARTICULAR USE. This warranty provides specific legal rights and remedies which may vary from state to state.

**U.S. PLY, INC.**

A DANNY ADAIR COMPANY

Corporate Headquarters: P.O. Box 11740, Fort Worth, Texas 76110

TOLL-FREE: 877-62USPLY (877) 628-7759 • Local: (817) 413-0103 • Fax: (817) 413-8221

Website: [www.usply.com](http://www.usply.com) • Email: [sales@usply.com](mailto:sales@usply.com) January 2006