

# PLYFAST™ METAL & PLASTIC STRESS PLATES

## Product Data Sheet

### Metal and Plastic Stress Plates

**PlyFast™ Insulation Stress Plates** are available in 6 styles to meet all of your roof insulation fastening needs.

**PlyFast™ Standard Metal Plate** is made of 26 gauge Galvalume™ plated metal with a unique, concave circular design with reinforcing ribs, low profile and a 3-inch diameter to assure proper compression to insulation. Designed for use with #3 Phillips head fasteners.

**PlyFast™ Recessed Metal Plate** is made of 26 gauge Galvalume™ plated metal and has a deep center recess for Hex head fasteners to assure flush seating of screw head and prevents screw head penetration into membrane material.

**PlyFast™ Stainless Steel Plate** is made of 300 Series Stainless Steel 26 gauge (0.017" min. thickness) plated metal with a concave circular design with reinforcing ribs and a 3-inch diameter to assure proper compression to insulation. Recommended for use with PlyFast™ Stainless Steel Phillips Head Fastener.

**PlyFast™ Standard Plastic Plate** is made of high-impact resistant, specially compounded molded plastic.

**PlyFast™ Locking Plastic Plate** is made of high impact resistant specially compounded molded plastic and has locking teeth to resist fastener back-out.

*Galvalume is a trademark of BIEC International, Inc.*

*PlyFast is a trademark of U.S. Ply, Inc.*



#### STRESS PLATE SELECTION GUIDE

STRESS PLATE TYPE	ROOFING SYSTEM						
	BUR	MODIFIED BITUMEN			SINGLE PLY		
		Adhered Hot Asphalt	Adhered Cold Adhesive	Torch Applied	Adhered	Ballasted	Mechanically
METAL	✓	✓	✓	✓	✓	✓	✓
PLASTIC	✓	✓	✓	✗	✓	✓	✓

#### Packaging:

- 1000 PlyFast™ Standard Metal Stress Plates per carton.
- 1000 PlyFast™ Recessed Metal Stress Plates per carton.
- 1000 PlyFast™ Standard Plastic Stress Plates per carton.
- 1000 PlyFast™ Locking Plastic Stress Plates per carton.
- 500 PlyFast™ Stainless Steel Stress Plates per carton.

- Unique, concave circular design with reinforcing ribs, low profile and 3-inch diameter assure proper compression to insulation.
- Design provides the strength needed around the outside perimeter to increase holding performance.
- Deep center recess for screw assures flush seating of screw head and prevents screw head penetration into membrane material.
- Meets or exceeds Factory Mutual I-60 or I-90 wind up lift specifications when properly installed on most insulation boards.

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

A DANNY ADAIR COMPANY

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### Metal and Plastic Stress Plates

<p><b>Metal Stress Plates</b></p> <p><i>Formed from 26 gauge Galvalume™ steel. They are equally effective when used for either BUR or single ply roofing systems.</i></p>		<p><b>Plastic Stress Plates</b></p> <p><i>High impact resistant stress plates are for use with virtually all types of insulation board used for roofing systems except gypsum boards. Additionally, they should not be used for roofing systems that utilize direct torch heat or hot-air to the plastic plate.</i></p>
<p><i>Cross section of installation with a metal stress plate using a PlyFast™ #12 Drill Point Hex Head Fastener</i></p>	<p><i>Cross section of installation with a metal stress plate using a PlyFast™ #10 Thread Point Phillips Head Fastener</i></p>	<p><i>Cross section of installation with a plastic stress plate using a PlyFast™ #12 Drill Point Hex Head Fastener</i></p>
<p><b>Finished Application</b></p>	<p><b>Metal Stress Plate</b></p>	<p><b>Plastic Plates</b></p>

**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 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.

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