

### APPLICATION

The TRUFAST® Induction Weld (IW) Plates are designed to attach insulation or coverboards to the deck while providing a non-penetrating mechanical attachment of single-ply membranes utilizing an induction welded bond to the Trufast IW Plate. Trufast IW Plates are approximately 3-3/8" (85.4 mm) diameter. Plates are approved for use with steel, wood or structural concrete roof decks.

The Trufast IW plates can be installed using Trufast #14 HD, Trufast #15 EHD, and Trufast #12 Purlin Fasteners. Refer to applicable code bodies or membrane manufacturers for specific system ratings and requirements.

### PRODUCT FEATURES

- 500 plates stacked in a weather resistant pail with handle for ease of storage, shipping, and handling
- TRUFAST IW plates are stamped from 22 ga. steel with a proprietary coating applied for TPO and PVC applications
- Reduces flutter
- Less seams required
- FM approved (meets FM 4470 requirements)
- Engineered for compatibility with most common commercial roofing induction welding equipment
- Manufactured in the USA
- Easily identified with stamped lettering – “TF” and the plate type (“TPO” or “PVC”)
- Has a wide, flat welding surface for optimal membrane adhesion

### PRODUCT SELECTION

Part Number	Color	Pkg. Qty.	Pkg. Wt.	Pallet Qty.
MPW-TPO-3375	Orange/Grey	500/bucket	40.6 lbs.	20,000
MPW-PVC-3375	White/Blue	500/bucket	39.3 lbs.	20,000
IWDISC-500	White	500/carton	8 lbs.	NA

### MATERIAL SPECIFICATIONS (PLATES)

Material: 22 ga. AZ-50 Galvalume® Steel  
 LEED® Eligible Recycled Content: 49%

### CODE APPROVALS & LISTINGS (PLATES)



FM Global



State of Florida  
 FL#:4500

Reference Roof Nav ([www.roofnav.com](http://www.roofnav.com)) or the membrane manufacturer for the most up to date approvals.

### IW PLATE ACCESSORY PRODUCT — CARDBOARD DISCS

Induction weld systems can be used with EPS and XPS insulation, as long as an adequate barrier is used between the plate and insulation. The barrier offers protection to the EPS/XPS from the induction welder, even in the absence of a cover board, without compromising the thermal bond with the membrane. It also reduces the risk of recessed areas that can result in ponding water.

TRUFAST® Cardboard Discs are designed to prevent foam insulation from becoming despressed during the induction weld process.

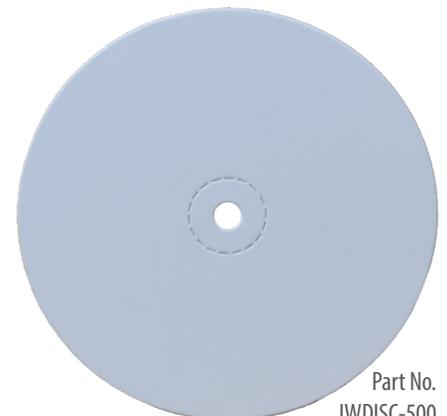


Part No.  
MPW-TPO-3375



Part No.  
MPW-PVC-3375

**ATTENTION:** TRUFAST® PVC and TPO IW Plates must be protected from prolonged UV (ultra violet) sun exposure and surface contaminants. Keep buckets covered when not retrieving plates. All installed plates must be covered with membrane by the end of each workday.



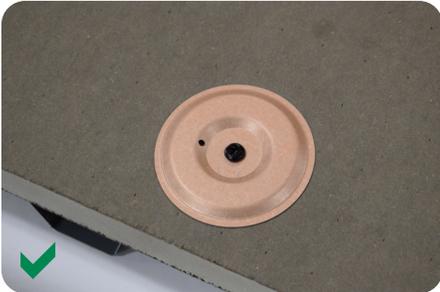
Part No.  
IWDISC-500

### INSTALLATION GUIDELINES

Use the appropriate fastener to secure the insulation board to the roof deck. Use care to seat the plate properly – do not overdrive or underdrive the fastener.

**NOTES:**

- Minimum 2" insulation thickness is required for induction weld plate installation.
- A barrier, such as cardboard disc IWDISC-500, is required for EPS and XPS applications.
- A clean, dry and debris-free surface is essential before applying membrane.
- The heat sink/magnet surface should be clean of all debris when in use.
- To ensure the optimal bond of the membrane to the plate, heat sinks/magnets should be left on plate long enough to cool the plate.
- Always calibrate the welding machine per the manufacturer's instructions to the current working conditions to ensure the best bond.



**TOP VIEW:**

Correctly installed plate and fastener.



**FLUSH VIEW:**

Correctly installed plate and fastener.  
Minimum 3/4" fastener penetration through roof deck.  
Straight edge is shown for reference only.



**FLUSH VIEW:**

Incorrectly installed, overdriven plate and fastener.  
Straight edge is shown for reference only.

### CARDBOARD DISC APPLICATION

The TRUFAST® Cardboard Discs are designed to prevent foam insulation from becoming despressed during the induction weld process. Heat from an induction welder can impact EPS or XPS foam insulation if a

heat barrier, such as the Cardboard Disc, is not used. This can result in depressions, which can lead to ponding moisture and ultimately roof damage.

### PRODUCT FEATURES

- 500 disks are stacked in carton for ease of handling, shipping, and storage
- 4" diameter cardboard disc is coated for optimal heat barrier protection
- Center hole is pre-punched for easy installation
- For use with TRUFAST® PVC or TPO Induction Weld Plates when applying membrane over EPS or XPS foam insulation

**Material:** 50pt Card Stock, coated

**Manufacturing Location:** USA



Part No. IWDISC-500 | 500 pcs. per carton



Cardboard Discs shown with various types of XPS & EPS insulation board and TRUFAST Induction Weld Plates.

ORDERING	STORAGE & HANDLING	INSTALLATION
Part No.: IWDISC-500 500 pcs. per carton Carton weight: 8 lbs.	Store in dry location Keep away from moisture	Center Cardboard Disc under Trufast Induction Weld Plates and fasten with approved Trufast fastener.

### DISCLAIMER

The information provided here is subject to change without notice. The performance specifications published in this TRUFAST® product literature are based on controlled laboratory tests and are intended as a guideline only. They are not guaranteed in any way by the ALTENLOH, BRINCK & CO. US, INC., since building design, engineering, and construction, including workmanship and materials, are beyond the control of the manufacturer. The manufacturer recommends that pull-out tests be conducted to verify the substrate provides adequate pull-out values.



SINCE 1823

**ALTENLOH, BRINCK & CO. US, INC.**

2105 County Road 12C • Bryan, OH 43506  
Phone: 419-636-6715 or 800-443-9602 • Fax: 419-636-1784  
Email: salesteam@trufast.com • www.trufast.com