



# INNOVIFAST<sup>TM</sup> INSULATION PLATE

**Stock #:** 6300079  
**OD:** 3 in. (76.2 mm)  
**Thickness:** 0.019 in. (0.4 mm)  
**Finish:** AZ50 Galvalume®  
**Pail Weight:** 41 lb. (18.5 kg)  
**Carton Quantity:** 1,000

All reported values are nominal.

- Insulation and cover board attachment.
- Designed for steel and wood roof decks.
- 26 ga. 55% aluminum-zinc alloy coated steel.

## System Compatibility

InnoviFast Insulation Plate are intended for use with IKO Innovo TPO Roofing Systems and are approved for use with an appropriate IKO Diamond Shield Limited Warranty. Building owners, specifiers, roof consultants and roofing contractors are invited to review the Innovo TPO System Specifications at [www.iko.com/innovi](http://www.iko.com/innovi) for further information on including this product as part of a complete IKO roofing system.

## Galvalume® Stress Plate Provides Increased Protection Against Corrosion

InnoviFast TPO Round Insulation Plates are protected with a high-performance alloy of aluminum and zinc. Zinc bonds with the steel to create a barrier to moisture, and aluminum resists corrosion to provide robust protection.

## Excellent Attachment for Roof Insulation and Cover Boards

InnoviFast Insulation Plate are designed for roof system attachment to steel and wood roof decks. The flat-bottom design is ideal for use on rigid board surfaces. These plates may be used with most IKO InnovoFast fasteners, including:

- InnovoFast Insulation Fasteners (#12).
- InnovoFast AP Fasteners (#14).
- InnovoFast HD Fasteners (#15).
- InnovoFast Concrete Deck Pins.

The information on this sheet is based on data supplied by the manufacturer to IKO and believed to be true and accurate. The information is offered solely for the user's consideration, investigation and verification. Nothing contained herein constitutes or represents a warranty or guarantee for which the manufacturer or the distributor can be held legally responsible.



# INNOVIFAST™ ROUND INSULATION PLATE

## Installation

- Tools: For steel or wood substrates, use a 2,000–2,500-rpm screw gun with a hardened #3 Phillips bit (included). For structural concrete substrates, use a 7/32-inch (5.6 mm) carbide bit and 1,500-rpm screw gun or hammer drill in hammer mode. Structural concrete decks must be predrilled with a standard 7/32-inch (5.6 mm) carbide bit to a minimum 1/2-inch (12.7 mm) deeper than fastener penetration.
- Minimum fastener penetration: Select a fastener length that allows the following penetration depths:
  - Steel decks: 3/4 inch (19 mm) through deck.
  - Wood decks: 1 inch (25 mm) into or through deck.
  - Plywood and OSB: 1 inch (25 mm) through deck.
  - Structural concrete: 1 inch (25 mm) into deck.

## Physical Properties and Characteristics

MATERIAL STRENGTH	
Tensile:	4,350 lbf / 19,350 N
Shear:	3,700 lbf / 16,458 N
Torsional:	130 lbf•in. / 14.69 N•m

CORROSION-RESISTANT PROPERTIES	
15/15 Kesternich per FM 4470	
800-hour salt spray per ASTM B117	
Cathodic epoxy E-coat	

PULL-OUT STRENGTH: STEEL DECK	
18 Ga. (1.2 mm):	1,140 lbf / 50,171 N
20 Ga. (0.9 mm):	898 lbf / 3,995 N
22 Ga. (0.8 mm):	683 lbf / 3,038 N
24 Ga. (0.6 mm):	453 lbf / 2,015 N
26 Ga. (0.5 mm):	301 lbf / 1,339 N

PULL-OUT STRENGTH: WOOD DECK	
2x dimensional lumber:	692 lbf / 3,078 N
3/4-in. (19 mm) FR Plywood:	703 lbf / 3,127 N

PULL-OUT STRENGTH: CONCRETE DECK	
4,000 psi:	728 lbf / 3,228 N

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