

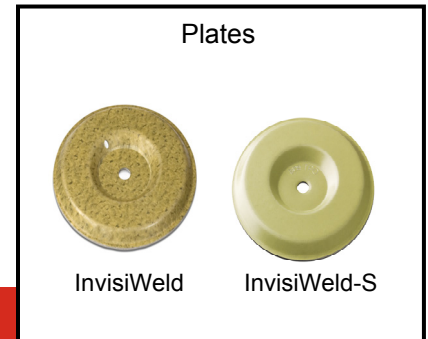
UltraPly™ TPO InvisiWeld™ Plate UltraPly TPO InvisiWeld-S Plate

Item Description

3" Round InvisiWeld Plate
3" Round InvisiWeld-S Plate

Item Number

W56TPOPL04
W56TPOPL0S



Product Information

Description:

Firestone UltraPly TPO InvisiWeld & Invisiweld-S Plates are designed to secure roof insulation and Firestone UltraPly TPO roof membrane. The plates are 3" (nominal) round, and made with specially formulated, coated galvanized steel. The plates are installed with Firestone All Purpose, Heavy Duty, Heavy Duty Plus, Concrete Drive or Purlin fasteners on steel, wood or structural concrete roof decks.

Method of Application:

The InvisiWeld system requires Firestone UltraPly TPO InvisiWeld or InvisiWeld-S Plates, Firestone's Heavy Duty, Heavy Duty Plus or Purlin fasteners. The Firestone UltraPly TPO Membrane is bonded to the plates using the RhinoBond® (for InvisiWeld Plates) or the isoweld® 3000 (for InvisiWeld-S) induction heat welding tools which are available for purchase or lease through the welding tool manufacturer or through local roofing distribution. Pre-drilling is required on structural concrete decks.

The Firestone UltraPly TPO InvisiWeld System is compatible with Firestone Polyisocyanurate (ISO 95+™ GL), Firestone's ISOGARD™ HD Cover Board, FiberTop™ B, Structodek® H, Securock® and DensDeck®. Pull tests should always be conducted to determine proper fastener selection.

Storage:

Store in unopened original containers protected from the weather.

Precautions:

- Do not overdrive fasteners causing plate to buckle or under drive fasteners resulting in a loose plate (able to spin).
- Avoid field seams directly over insulation plates.
- Induction welding should not be used on extruded polystyrene (XPS), expanded polystyrene (EPS) or foil-faced insulation boards.
- Refer to Safety Data Sheets (SDS).

LEED® Information:

	<u>InvisiWeld Plate</u>	<u>InvisiWeld-S Plate</u>
Post Consumer Recycled Content:	25%	25%
Post Industrial Recycled Content:	0%	0%
Manufacturing Location:	Agawam, MA	Leeds, United Kingdom

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

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Packaging

<u>Property</u>	<u>InvisiWeld Plate</u>	<u>InvisiWeld-S Plate</u>
Weather Resistant Pail:	500 pieces	500 pieces
Weigh of Pail:	35 lb (15.88 kg) per pail	34 lb (15.42 kg) per pail
Dimensions of Pail (L x W x H):	10" x 10" x 8" (254 mm x 254 mm x 203.2 mm)	4 ⁷ / ₈ " x 9 ⁷ / ₈ " x 4 ³ / ₈ " 123.83 mm x 250.83 mm x 111.13 mm)
Pails per Pallet:	40	54

Typical Properties

<u>Property</u>	<u>Minimum Performance</u>	
	<u>InvisiWeld Plate</u>	<u>InvisiWeld-S Plate</u>
Material:	Galvalume® AZ55	G90 Galvanized Steel
Color:	Gold/Yellow	Green/Yellow
Material Thickness:	0.017" (0.43 mm) - 0.023" (0.58 mm)	0.017" (0.43 mm) - 0.023" (0.58 mm)
Corrosion Resistance:	Meets FM No. 4470 criteria	Meets FM No. 4470 criteria
Pull-Through Resistance:	800 lb (363 kg) from center hole	800 lb (363 kg) from center hole
Adhesive Bond Strength:	550 lb (250 kg)	550 lb (250 kg)
Diameter:	3" (76 mm) nominal	3" (76 mm) nominal

NOTE:

RhinoBond® is a registered trademark of OMG, Inc.
isoweld® is a registered trademark of SFS Intec
Structodek® is a registered trademark of Blue Ridge Fiberboard, Inc.
Securock® is a registered trademark of USG Corporation
DensDeck® is a registered trademark of G-P Gypsum Corporation
Galvalume® is a registered trademark of BIEC International, Inc

Please contact Quality Building Services Technical Department at 1-800-428-4511 for further information.

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