

TECHNICAL INFORMATION SHEET

Firestone PVC InvisiWeld™ Plate

Item Description

3" (76 mm) Round PVC Coated InvisiWeld Plate

Item Number

W56PVCPL04



Product Information

Description:

Firestone PVC InvisiWeld Plates are designed to secure roof insulation and Firestone PVC roof membrane. The plates are 3" (76 mm) (nominal) round, and made with specially formulated, coated galvanized steel. The plates are installed with Firestone All Purpose, Heavy Duty, Concrete Drive or Purlin fasteners into steel, wood or structural concrete roof decks.

Method of Application:

The Firestone PVC InvisiWeld system requires Firestone's All Purpose, Heavy Duty, Concrete Drive or Purlin fasteners. Firestone PVC membrane is bonded to the plates using 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 PVC InvisiWeld System is compatible with Firestone Polyisocyanurate (ISOGARD™) insulation, Firestone ISOGARD HD Cover Board, Structodek® H, Securock® or DensDeck® boards. Pull tests should always be conducted to determine proper fastener selection.

Storage:

Store in unopened original containers protected from the weather.

Precautions:

- Do not over or under drive fasteners.
- Avoid field seams directly over insulation plates.
- Induction welding should not be used over extruded polystyrene (XPS), expanded polystyrene (EPS) or foil-faced insulation boards.
- Protect PVC InvisiWeld Plates from prolongate UV (Ultra Violet) sun exposure.
- Keep PVC InvisiWeld pails covered when not retrieving plates.
- Compatibility for metal decks: minimum 1½" (38 mm) of insulation over the metal deck is required for proper operation of induction welding equipment.

LEED® Information:

Post-Consumer Recycled Content:	25%
Post Industrial Recycled Content:	0%
Manufacturing Location:	Agawam, MA

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

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Packaging

Property	InvisiWeld Plate
Weather Resistant Pail	500 pieces
Weigh of Pail	35.8 lb (16.25 kg) per pail
Dimensions of Pail (L x W x H)	10" x 10" x 8" (254 mm x 254 mm x 203 mm)
Pails per Pallet	40

Typical Properties

Property	Minimum Performance
Material	Galvalume® AZ55
Color	Black
Material Thickness	0.030" (0.76 mm) - 0.034" (0.86 mm)
Corrosion Resistance	Meets FM 4470 criteria
Pull-Through Resistance	≥ 800 lb (363 kg) from center hole
Adhesive Bond Strength	≥ 550 lb (250 kg)
Diameter	3" (76 mm) nominal

NOTE:

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 Firestone Technical Services Department at 1-800-428-4511 for further information.

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