

# isoweld® Induction Welding System



### Product Description:

New, revolutionary SFS Intec isoweld® field fastening system is an innovative induction welding system which welds pre-fastened PVC coated securement plates to IB PVC Single Ply membranes.

### isoweld® Field Fastening

- Fastening is independent of membrane laps.
- Only one membrane width is required for the whole project
- No membrane penetration
- Reduced membrane overlaps
- Covering of the roof is independent of the fastening process and is therefore faster
- Fewer fastening points

### isoweld® Differentiated Features

- FM Approvals Class 4470 Certificate of Compliance
- 1-step calibration
- Hand-held inductor
- Constant monitoring of membrane surface temperature
- "x2" welding - two membrane thickness
- 3-way weld verification
- Plate-finding search function
- No "false positive" welds

### isoweld® Application

- IB PVC Single Ply membrane: 50-80 mils
- IB EnergyBoard Polyiso insulation
- High density cover boards
- EPS Fan-fold insulation (with Fi-Pad Spacers)
- Parapet wall welding

### Contents Included in shipping/storage case:

- 1 - isoweld® 3000 Stand-up Tool
- 1 - calibration template
- 5 - replacement protective pads for inductor
- 1 - plunger cup
- 1 - instruction manual



### Magnets

A set of 6 or set of 12 specially designed isoweld® magnets, used for clamping and cooling of the weld. Detachable handles allows for use in tight areas and parapet walls. Supplied in their own shipping/storage case.

### Fastening Components

Plates with proprietary PVC adhesive coating uniquely designed for use with isoweld® on IB PVC Single Ply Membrane.

### Fi-Pad Cardboard Spacer

Use in combination with isoweld® PVC plates when installing IB PVC Single Ply membrane over EPS Fan-fold insulation.

### The isoweld® Backpack system includes:

A power generator that is interchangeable with the isoweld® 3000 stand-up tool frame, replaceable closed cell foam shoulder straps with integral waist strap, and the original low profile hand-held inductor for detail work which converts to stand-up mode for ultimate productivity. Also standard with the system is a 3-button corded activation switch as well as an adjustable handle with wireless activation switch, offering the user their preferred method of activating the weld function.



Item	Dimensions	Weight
isoweld® 3000 -	43"H x 21"W x 16"D	42 lbs.
isoweld® 3000 - (in case)	37"L x 23"W x 24"D (in case)	80 lbs. (in case)
Magnets, set of 6 or 12 (in case)	35"L x 24"W x 14"D (in case)	Magnet, single - 2.7 lbs. set of 6 - 40 lbs., set of 12 - 57 lbs. (in case)
Hand-held inductor cable	cable length - 13'	

Electrical	Minimum Requirements*
Voltage:	110V (50-60 Hz) /230V
Current:	20 amp, GFI protection
Power:	5000 W generator, dedicated
Power extension cord	12AWG/3 - 100' maximum length of power extension cord
*Power cords of larger conductor size (10AWG/3) and shorter length are recommended for optimal performance.	
Recommended Application Limits:	23°F - 122°F
Slope	<10°