

# INDUCTION WELDING PLATE

## FOR COREFLEX THERMOPLASTIC WATERPROOFING MEMBRANE

### DESCRIPTION

Induction Welding Metal Plate with Thermoplastic Coating.

### METHOD OF APPLICATION

#### *Magnetic Induction Welding with Centrix Induction Welding Machine:*

Attach the induction welding plate to the shoring using fastening components appropriate to the substrate. The head of the fastener should seat as flush to the plate as possible. The induction welding plates should be fastened to the shoring 4' (1.5 m) O. C. in both the horizontal and vertical directions. For overhead shoring (such as tunnels) place the fasteners 3' (1 m) O.C. in both the horizontal and vertical directions. Place the membrane on the shoring, over the induction welding plates. Next, use the head of the Induction Welding machine to locate the plate and center it and the welding process will begin automatically. The LED lights will indicate when welding is complete. Place a magnet over the newly welded plate to keep the membrane in contact with the plate until it has cooled (approx. 1-minute).

### PACKAGING

Weather-resistant Pail: 500 pieces per pail

Weight per Pail: 35 lbs (16 Kg)

Pallet: 48 pails

Pallet Size (L x W x H): 47"x31"x45" (1.2 m x 800 mm x 1.14 m)

### PRECAUTIONS

Induction welding plate must be securely fastened. Do not overdrive or underdrive fasteners as this could lead to poor welding. Avoid membrane seams directly over insulation plates when possible. Welding over seams will require a power adjustment to the Induction Welding Equipment. The power settings for single membrane and for the overlaps can be determined on scrap membrane prior to starting the installation.



### TECHNICAL DATA

PROPERTY	TYPICAL VALUE
Plate Material	Hot dipped galvanized steel and back-coating
Coating	Thermoplastic Adhesive for PVC Color: Red-transparent
Plate Thickness	0.03 in (0.75 mm)
Corrosion Resistance	Exceeds 15 cycles in the Kesternich-Test DIN 50018 S2.0L. Meets FM no. 4470 criteria
Pull-Through Resistance	770 lb (350 kg) min. from center hole
Plate Diameter	3.25" (80mm) nominal

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