

**Induction Welded – Induction Plate Density
for Induction Welded Roofing Systems
(Up to 20 YR Warranty)**

Table II

Peak Gust Wind Speed Warranty	Max. Building Height	Minimum Perimeter Width	Induction Weld Plate Density		
			Field	Perimeter	Corners
55 MPH	Up to 50'	8'	6	8	8
72 MPH	Up to 50'	8'	6	8	8
80 MPH	Up to 50'	8'	8	10	10
90 MPH	Up to 50'	8'	8	12	12
100 MPH	Up to 50'	8'	8	12	16
110 MPH	Up to 50'	8'	10	16	16
120 MPH	Up to 50'	8'	10	16	20

**Induction Welded – Induction Plate Density
for Induction Welded Roofing Systems
(Up to 30 YR Warranty)**

Table III

Peak Gust Wind Speed Warranty	Max. Building Height	Minimum Perimeter Width	Induction Weld Plate Density		
			Field	Perimeter	Corners
55 MPH	Up to 50'	16'	8	10	10
72 MPH	Up to 50'	16'	8	10	10
80 MPH	Up to 50'	16'	10	12	12
90 MPH	Up to 50'	16'	10	12	12
100 MPH	Up to 50'	16'	10	16	20
110 MPH	Up to 50'	16'	12	16	24
120 MPH	Up to 50'	16'	12	16	24

B. Products/Heat Welding Equipment

Products listed in "Part II" of the Carlisle TPO Mechanically Fastened Roofing System Specification can be used as part of this alternate securement method in conjunction with the RhinoBond or Isoweld Welding Plates.

1. **RhinoBond or Isoweld TPO Welding Plate:** A 3" diameter, 0.028" thick, corrosion-resistant steel plate with hot melt coating on the top surface. The plate is used in conjunction with Carlisle's HP-X Fasteners to attach the roofing assembly and is activated using the RhinoBond or Isoweld Induction Welding Tool.
2. **RhinoBond or Isoweld Induction Welding Tool:** An induction heating tool is used to emit the magnetic field that activates the hot melt coating on the top surface of the RhinoBond or Isoweld Welding Plate to fuse with the roofing membrane. Refer to RhinoBond or Isoweld Owner's Manual for additional information.
3. **Magnet:** A stand-up device that allows the weld to cool as it holds the membrane to the heated plate. Refer to RhinoBond or Isoweld Owner's Manual for additional information.

C. RhinoBond Induction Tool Calibration

Prior to proceeding with membrane attachment to the plate, the RhinoBond Induction Welding Tool must be calibrated with