

## Joint Seal Installation Instructions

**Ply-Seal**<sup>®</sup> foam Joint Seals may be installed in various applications. Please contact the supplier for specific application instructions that would not otherwise be covered by the following standard instructions for pre-formed joint gaps.

### Confirm Proper Seal Size

The Joint Seal should be larger than the joint opening during installation. A temperature chart may be available on the drawings or contact the supplier for proper fit to existing joint opening in relation to temperature and movement range.

### Surface Preparation

A clean, dry substrate is recommended during installation. All surfaces in contact with the joint seal shall be sandblasted with oil-free compressed air. Steel substrates should be prepared to a white finish (SSPC-10) with a good surface profile (1-2 mils). Steel, concrete, and elastomeric concrete (**Ply-Krete**<sup>®</sup> brands) do not need to be primed prior to installation. However, steel with coatings or additives may require priming; please contact your supplier if such conditions exist. Metalized steel requires a light brush-blast to ensure all foreign debris are removed. Use compressed air to remove dust and debris after blasting. Apply duct tape to the top edges of the deck  $\frac{1}{4}$  -  $\frac{1}{2}$ " away from the joint to reduce clean up (optional).

### Heat Welding

All intersections and connections of the foam should be performed prior to mixing epoxy. Heat-Welding is recommended to connect sections together. A trained factory representative may be required and/or a factory-approved welding tool may be used to ensure this procedure is correctly performed. Most seals may be ordered to length. Additional welds may be field performed.



Typical Heating Iron Available from Polyset

### Installation

You may assume an assembly line for each of the following steps:

- Mix the **Ply-Bonder** epoxy per instructions
- Coat both sides of the substrate
- Coat both grooved sides of the seal with the epoxy
- With gloved hands or tool, compress and install the seal into the joint about  $\frac{1}{8}$ - $\frac{1}{2}$ " below the surface, depending on the radius of the joint nosing
- Immediately remove excess epoxy from the top surface of the seal with a clean dull trowel so as to not damage the seal and allow for free movement

**Note:** Do not use solvents. When striping the bridge, do not paint the stripes over the joint seals. They must be free to move.



### Suggested Supplies to Have On Site During Installation

Duct tape, low-speed drill with a mixing paddle, 2-gallon empty mixing pails, margin trowels, protective gloves, rags, knee pads, and, if conditions require it, a heat-welding tool.

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