

Sika® Waterbar Splicing Irons

For Thermoplastic Waterstops



Innovation & Consistency | since 1910

Easy and Safe Welding of PVC Waterstops



PVC waterstops are for use in concrete joints subjected to hydrostatic pressure. Embedded in concrete, PVC waterstops span the joint to form a continuous, watertight diaphragm that prevents the passage of liquid through any type of joints. Continuity and safe welding of the waterstop is key for best performance of the waterstop system. Poorly constructed transitions, intersections and splices are prime locations for leaks. The waterstop profile including ribs and centrebulb should be maintained through changes of direction and transitions.

PVC waterstop is easily butt spliced with Sika's thermostatically controlled splicing iron equipped with a replaceable peel-and-stick Teflon cover.

Sika® Waterbar Splicing Irons are specifically designed for easy and safe welding of thermoplastic waterstops and are constructed of the highest quality components for superior and long lasting performance:

- Big Welding Areas
- Adjustable Temperature
- Peel and Stick Teflon Cover
- Heavy Duty Vinyl Grip

Irons are supplied without plugs. An appropriate plug must be wired to the cord by the purchaser.

The temperature control is adjustable from 120° C – 260° C (250° F – 500° F) for various condition and products.

Sika® Waterbar Splicing Irons:



Type 127 Large Iron (220 V)
Type 213 Large Iron (110 V)



Type 237 Replacement Cover for 127/213



Type 126 Small Iron (220 V)
Type 214 Small Iron (110 V)



Type 238 Replacement Cover for 126/214

Plasticised PVC melts at a temperature of 160° C to 180° C, when it acquires a soft plastic consistency. The principle of welding consists in softening the mating surfaces of the two parts to be linked by heating them to the above mentioned temperature, quickly pressing them together, and allowing them to cool.

Splicing Procedure on Job Site

Advantages

Sika® Waterbar Splicing Irons have the following advantages comparing to traditional welding equipments:

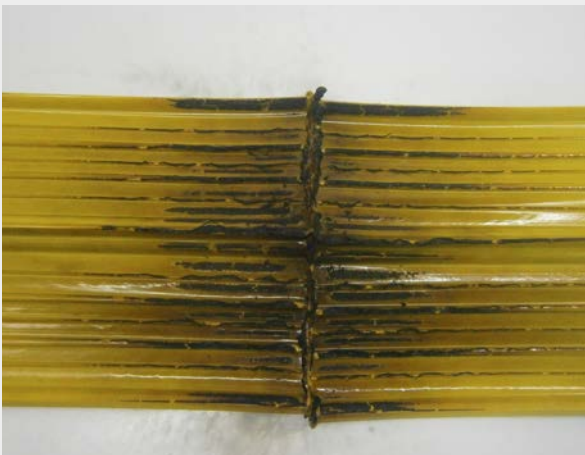
- Easy, fast and safe welding procedure
- Safe handling
- Adjustable heating temperature for quality weldings at various temperatures
- Simple cleaning due to Teflon covers
- Welding of various dimensions possible



Alternative equipment

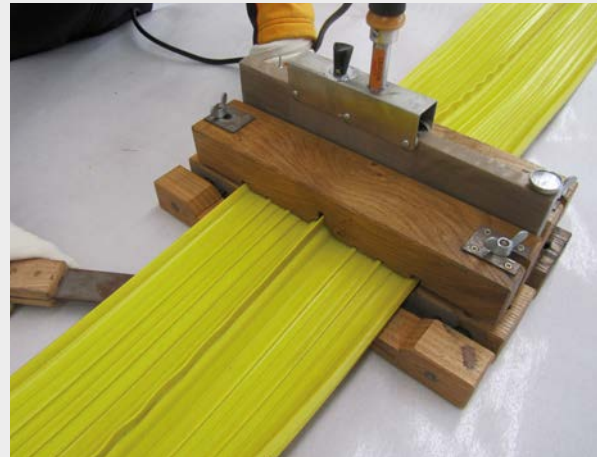


High risk of uncontrolled and improper welding due to no temperature control



Insufficient seam quality and burned material

Sika® Waterbar Splicing Iron



Proper welding with Sika® Waterbar Splicing Iron with temperature control



High seam quality with no charring or pinholes

Quality Assurance

Provide destructive sampling of waterstop field welds at intervals determined by field engineer. A minimum of one field weld at the beginning and end of each day should be sampled. Ensure that the proper technique is being used. Test the quality of the weld in detail.

See our Sika Welding Video and Application Manual for more details.

Sika – a Global Player in Specialty Chemicals for Construction and Industry



- 5 continents
- Over 70 countries
- 90 production and marketing companies
- Approx. 12,900 employees

Sika is a leading Swiss company, globally active in specialty chemicals. Our local presence worldwide links us directly with customers and ensures the success of Sika and its partners. Every day highly motivated people strive to provide the best customer service.

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