

SOLUSHIM WATER SOLUBLE ALIGNMENT STICKS



SoluShim Water Soluble Alignment Sticks are an innovative solution for maintaining precise gaps on plates, pipes, and flanges as required by AWS codes D1.1 – D1.6, and API 1101 pipe codes.

When SoluShim is placed between a gap, it enables consistent pipe and seam spacing, enhancing the operator's overall efficiency.

The conventional method of forming a root gap involves the use of filler rods. Besides being non-uniform in size and thickness, these welding rods are composed of foreign metals that are incompatible with the base metals being welded.

Removal of these rods is a cumbersome process and typically involves mechanical grinding or torch cutting, both of which are costly and labour intensive and can leave behind trace elements that contaminate the welding area.

SoluShim is compatible with any metal and instantly begins to dissolve when introduced to water. This allows the sticks to be effortlessly removed from the welding fit up, leaving behind no residue that could compromise the weld quality. Compared to metal rods, SoluShim is the superior choice for maintaining precise, even gaps throughout the weld fit-up.

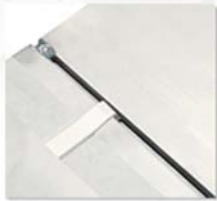
Aquasol

Traditional Method
Using Welding Rod



Plate to Plate

Simple Solution
Using SoluShim
Alignment Sticks



Features and Benefits

Conforms To AWS Code

SoluShim SS-2-38-16 and SS-4-38-16 provide 1/8" minimum gap for plate/pipe projects as required by AWS Code D1.6/D1.6M Stainless Steel Structural Code, eliminating need for measurement and guesswork.

Experience Contaminant-Free Welding

Made from EPA Approved Aquasol Water Soluble Composite Board 100% biodegradable and environmentally friendly

Compatible with any metal

Highly durable, incompressible, pre-sized and uniform in thickness
Flexible structure can be manually shaped to form any angle with ease

Consistent Pipe & Seam Installation

Maintains required root gap during plate and pipe welding applications
Highly Incompressible
Eliminates holding rod while simultaneously welding
Eliminates root gap from shrinking with each tack weld
Sticks stay firmly in place throughout welding process

Simple Spacer Removal

Removal is fast and effortless using a light application of water to moisten and dissolve sticks, achieving a contaminant free weld
Leaves behind no harmful trace elements that can lead to post-weld contamination. Eliminates costly and timely post-weld grinding to remove metal spacers
Spacer Installation & Removal



Pipe to Flange



Pipe to Pipe



How SoluShim Works

Spacer Installation & Removal

Equally space SoluShim Water Soluble Alignment Sticks between seams of metal components to be welded.
Bend SoluShim sticks to form a 90° angle if preferred or if required by application (i.e. pipe-to-pipe fit up).

Align the components to be welded.

Tack-weld the joints in the area between the alignment sticks.
Be sure to avoid charring alignment sticks or tape when tack-welding.

After welding is complete, introduce water to safely moisten and dissolve alignment sticks for easy, fast removal.
Wait roughly 10 seconds after introducing water.
Then simply pull SoluShim sticks from between the metal components or let them dissolve completely with further application of water.



INDEPENDENT WHOLESALE WELDING SUPPLY

Ph: 02 8834 2400 Fax: 02 8834 2498 Email: iwws@iwws.net Website: www.iwws.net