

WATER SOLUBLE PAPER

Sizes: up to 72" (1829mm)

Rolls of paper that can be cut to form a purge dam for any pipe size

Significantly improved purge chamber technology in Tungsten Inert Gas (TIG) welding applications. Traditional cardboard purging systems are time-consuming and often leave dangerous residues upon removal.

When systems such as inflatable bags are unsuitable, i.e. the size of the systems cause storage and transport concerns. PIPE Ltd have introduced a water-soluble paper that can be formed into a dissolvable purge dam.

How it works

Made of Sodium Carboxy Methyl cellulose and wooden pulp that dissolves rapidly and completely in most liquids including water. It can be used to dam Argon or Helium gases during Tungsten Inert Gas (TIG) welding of Steel or Aluminum pipes. After welding is complete, purge dams effortlessly dissolve by flushing the system with water or steam; leaving no residue in the pipeline.

E-Z Purge comes in a wide range of grades and sizes, permitting the construction of purge dams for literally any pipe diameter. The product is available in a variety of formats including sheets, rolls and pressure-sensitive tapes. It is extremely easy to store, environmentally friendly and non-toxic.

Features and advantages

- Cost-effective
- Ease of use
- Durable
- Availability of various shapes
- Ease of removal and sizes



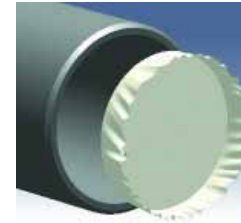
Impress the pipe i/d on the paper.



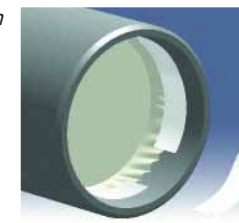
Cut and fold to create the dam.

Forming a Purge Dam with water soluble paper

Cut the paper into a circle with a diameter about 1.3 times the diameter of the pipe. Trace or impress the pipe's inner diameter on the paper and fold on this line to form a 90° lip. Insert the dam into the pipe with the lip towards the weld preparation.



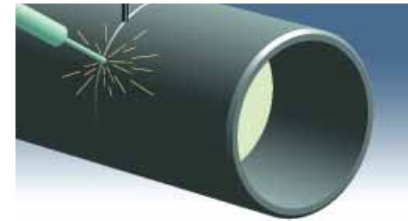
Peel tape from backing and tape dam in place



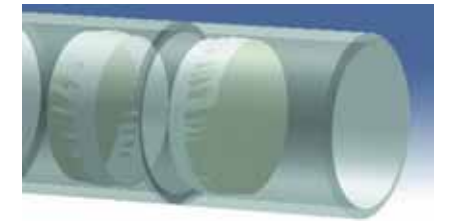
Punch a small hole in the dam to facilitate the evacuation of air when purging. If one end of the pipe is accessible, the purge gas may be introduced through a hole at the lower end of one dam. The vent hole should be made at the upper end of the other dam to allow air to escape.



After dams are in place, Argon or any purge gas may be introduced through the root gap with a needle valve connected to the gas line.



Clear view of the completed purge dam.



Sizing and specification

Type	Size/Format	Suggested Use
WSP-36	9" x 165'/roll 15 1/2" x 165'/roll 8 1/2" x 11" sheet 8 1/2" x 14" sheet 17" x 22" sheet	Use in pipes having 4 inches inner diameter or less.
WSP-40C	20 1/2" x 165'/roll	Water soluble coated paper used for greater volume of gas retention.
WSP-60	15 1/2" x 165'/roll 31" x 165'/roll 15 1/2" x 22" sheet	Use in pipes having 4 inches inner diameter or greater.
WSP-1 WSP-2	1" x 300'/roll 2" x 300'/roll	Pressure sensitive, adhesive water-soluble tape to hold Purge dams in place.

Custom sizes are available upon request.