

# DISSOLVO TECHNICAL SPECIFICATIONS

## APPLICATION RECOMMENDATIONS

Dissolvo dams should be placed far enough from the weld area to avoid exposure to temperatures in excess of 300 degrees F (149 C). A pyrometer or temperature indicating material can be used to determine this point. Dissolvo which has been charred may not dissolve but will instead fracture into small pieces when water is introduced to remove the dams.

Dissolvo tape is backed with a silicone release paper which is peeled off before use. Dissolvo tape has sufficient tack to anchor dams securely in place. However, in very dry climates, or where maximum adhesion is required, lightly dampen the adhesive side with water and apply immediately.

In addition to selecting the location at which purge gas is to be introduced, a vent for the displaced air should be carefully selected so that no air remains trapped. All other open areas should be sealed to prevent leakage.

## CHEMICAL ANALYSIS

When dissolved, the solution is slightly alkaline. Dissolvo materials are free of substances regarded as harmful to stainless steel and other metal pipes. Trace elements present in Dissolvo are insignificant. The following is a typical chemical analysis of Dissolvo.

Chemical	Test	Results
Water Leachable Chlorides	ASTM D 512-81	150 PPM
Sulphur	ASTM D 129-78	30 PPM
	ASTM D 808-81	200 PPM
Lead	Spectro Photometric Analysis	Less than 1 PPM
Mercury	Spectro Photometric Analysis	Less than 1 PPM
Cadmium	Spectro Photometric Analysis	Less than 1 PPM
Nitrate	Spectro Photometric Analysis	Less than 1 PPM

## QUALITY CONTROL PROCEDURES

CMS Gilbreth maintains a comprehensive QC/QA plan to meet the critical requirements of the nuclear and fossil-fuel power plant construction industries. Where required, certifications and copies of the test reports can be furnished.

## GRADES AND SIZES

Dissolvo products are available in several grades and sizes to meet all your purge dam requirements. Simply select the size and grade best suited for your particular application.

Grade	Sizes	Recommended Use
WLD-35	8.5" x 11" sheet	WLD-35 is a lightweight paper for use in pipes up to 4" in diameter.
	8.5" x 14" sheet	
	17" x 22" sheet	
	9" x 165' roll	
	15.5" x 165' roll	
WLD-60	15.5" x 22" sheet	WLD-60 is a heavyweight paper recommended for use in pipes 4" and over in diameter.
	15.5" x 165' roll	
	31" x 165' roll	
WLD-40C	20.5" x 165' roll	WLD-40C is a lightweight coated paper recommended for use in all pipe sizes where greater gas retention is required.
WAT-N-TAPE	1" x 300' roll	WAT (Welding Adhesive Tape) is compatible with all grades of Dissolvo. WAT is a pressure sensitive, water-soluble tape recommended to hold purge dams in position and, when needed, to splice two or more pieces of Dissolvo paper.
	2" x 300' roll	

## STORAGE AND HANDLING

To prevent deterioration from exposure to the elements, it is recommended that unopened or unused Dissolvo materials be stored in their original packaging. The package should be resealed if Dissolvo is not to be used for several days or more. Care should be taken to avoid water contact and extreme heat. Materials should be used within one year of shipment to insure best results. All materials stored over one year should be discarded.

The facts and recommendations contained herein are based on experiments and information believed to be reliable. No guarantee is made as to their accuracy. The products are sold without expressed or implied warranty and upon the condition that purchasers shall conduct their own tests to determine suitability for their use.

