



## **FloSafe for Tubing Specification Guideline**

### **General**

The secondary containment piping system shall be complete and all components shall be supplied from the same source to insure material and system compatibility. The containment system shall be manufactured to allow for placement of either PFA tubing or other appropriate piping systems. All components of the containment system including pipe, fittings, long radius sweeps and valve containment boxes shall be supplied by FloSafe, Inc.

### **Materials**

All pipe and fittings shall be Schedule 40 clear polyvinyl chloride (PVC). All fittings are to be manufactured of clear PVC material which is marked NSF and meets or exceeds all applicable ASTM standards. We further certify all fittings are manufactured in the U.S.A. and have FDA approval on the clear PVC material. The clear PVC pipe is to be extruded in 20ft. lengths according to ASTM D1784 and maintain IPS Schedule 40 dimensions and tolerances.

### **Joining Procedure**

The containment pipe and fittings shall be joined by solvent welding or FST compression couplings, in accordance with manufacturer's guidelines and installation instructions. Refer to manufacturer's charts for appropriate cure times. Consult the manufacturer for selection of proper cement suitable for installation, environment and design. Joints shall not be disturbed prior to complete curing of cement. Improper cement will cause joint failure.

### **Backfill**

A 4-inch layer of sand or fine gravel shall be placed and tamped in the trench to provide a uniform bedding for the containment pipe. The entire trench shall be evenly backfilled with a similar material as the bedding in 6 inch compacted layers to a minimum of 6 inches above the top of the piping system. The remaining trench shall be evenly and continuously backfilled in uniform layers with suitable excavated soil.

# ***FLO SAFE, INC.***

## **THE COMPLETE CONTAINMENT PIPING SOLUTION**

### **CLEAR SCHEDULE 40 RIGID PVC PIPE**

#### **STANDARD SIZES AND DIMENSIONS**

Size	O. D.	I. D.	Minimum Wall	Nominal Wt./Ft.	Standard Length
1-1/2	1.900	1.592	.145	.509	20 ft.
2	2.375	2.049	.154	.682	20 ft.

#### **PHYSICAL PROPERTIES**

<b><u>Property</u></b>	<b><u>Test Method</u></b>
Cell Classification (PVC Compound)	ASTM D-1784
Specific Gravity	ASTM D-792
Hardness Shore D	ASTM D-224
Izod Impact	ASTM D-256
Impact Resistance (falling weight)	ASTM D-4226
Tensile Strength	ASTM D-638
Modulus of Elasticity	ASTM D-638
Elongation	ASTM D-638
Coefficient of Linear Expansion	ASTM D-696