

KIMAX® STANDARD SPECIFICATIONS

SCHOTT
glass made of ideas

Acid Waste Drain and Vent Piping System

The system shall be made of a KIMAX UL Classified Borosilicate glass conforming to ASTM Specification C 1053-90, Federal Specification DD-G-541-B and Military Specification MIL-P-22561-B (YD) as manufactured by SCHOTT. Glass-to-glass connections shall be made with KIMAX compression type bead-to-bead and bead-to-plain end couplings – article numbers 6650 and 6661 respectively. Coupling's outer shell, bolt and nut to be made from 300 series stainless steel. Bead-to-plain end coupling outer shell must encapsulate compression liner to prevent cold flow and ensure leak-free joint. Inner seal ring is made of tetra-fluoroethylene. System shall be installed in accordance with the manufacturer's recommendations and the governing plumbing code.

Underground Glass Pipe: Excavation shall conform to national and local plumbing codes. Bottom of trench shall consist of a minimum 4" of rock-free sand or soil, compacted and graded to provide uniform full length support. Back-fill with rock-free sand and/or soil to 12" above pipe. When the above conditions cannot be met, consult the manufacturer for their recommendations. KIMAX Protected Pipe, and wrapped fittings, shall be installed and back-filled in accordance with the manufacturer's instructions and governing plumbing code.

Floor and wall penetrations

- Glass pipe passing through non-fire rated walls or floor slabs shall be fitted with pipe sleeves that have a diameter that is a minimum of 2" greater than the pipe O.D. Space between pipe and sleeve shall be packed with fiber glass, glass wool and/or a non-hardening approved caulking material.
- Glass pipe passing through fire rated walls or floor slabs shall be installed in accordance with Underwriters Laboratory fire penetration systems for KIMAX glass pipe.
- Glass pipe shall not be installed in direct contact with concrete. Fiber glass insulation or other type padding as approved by the pipe manufacturer shall be used to insulate between the two materials.
- Glass pipe shall be protected against all weld spatter.

Installation and testing

Install and test in accordance with the manufacturer's recommendations and local code requirements. See KIMAX catalog for details.

UL Classification

KIMAX glass piping systems are UL classified as a fire penetrant for laboratory fire rated walls and floors in the United States and Canada with File-No. R11306.

IAPMO Listings

KIMAX® glass piping systems and KOCH KNIGHTWARE acid neutralization sumps are listed by the International Association of Plumbing and Mechanical Officials (IAPMO) under the file number 0500.



PROJECT INFORMATION:		APPROVAL STAMP:
Project:		
Date:	Phone:	
Architect / Engineer:		
Contractor:		
Address:		
Notes:		