



IS 6908 : 1991 ASBESTOS-CEMENT PIPES AND FITTINGS FOR SEWERAGE AND DRAINAGE - SPECIFICATION

The document IS 6908:1991 specifies standards for **asbestos-cement pipes and fittings** designed for **sewerage and drainage systems**. These pipes are made from asbestos fibres, Portland cement, water, and siliceous fillers, engineered for gravity flow at atmospheric pressure.

Consumers of these products expect **durability**, structural integrity, and **safety**, particularly in environments exposed to varying loads and potential chemical exposure. To meet these quality expectations, pipes and fittings must be smooth, seamless, and dimensionally precise, ensuring efficient flow and easy installation. Strength is also critical, requiring the pipes to withstand transverse crushing, longitudinal bending, and occasional internal pressures without cracking.

IS 6908 : 1991 addresses these expectations through verification of raw materials, manufacturing process, and performance. Pipes are classified by their **crushing strength** and must meet specific criteria for dimension, **longitudinal bending load**, crushing strength and **acid resistance**. This document specifies permissible deviations in dimensions, ensuring smooth layout of pipes. Optional tests for hydraulic pressure and bending strength provide added assurance for high end applications. For fittings and joints, standards ensure they match pipe strength and **maintain leak-free connections**, often using Asbestos cement couplings with rubber sealing rings or Cast iron detachable joints with rubber sealing rings and bolts and nuts.

This standard also provide guideline for sampling and marking of each product, and requires safety information for asbestos handling with each delivery. By incorporating these guidelines, IS 6908 : 1991 meets consumer expectations for durability, safety, and reliability in sewerage and drainage infrastructure.