



## **IS 8870:1978 - ASBESTOS CEMENT CABLE CONDUITS AND TROUGHS**

Asbestos cement cable conduits and troughs were previously commonly used for cable management, but their use has been largely phased out due to health concerns associated with asbestos exposure.

Asbestos is a naturally occurring mineral fiber that, when inhaled, can cause serious lung diseases such as asbestosis, lung cancer, and mesothelioma. While asbestos cement products were once popular due to their durability and fire resistance, the health risks associated with asbestos exposure have led to their widespread ban or strict regulation in many countries.

IS 8870:1978 specifies requirements for asbestos cement cable conduits and troughs, predominantly used for protecting and routing electrical cables, particularly in underground installations.

This Indian Standard specifies the quality requirements covering:

Material - the composition of the asbestos cement mixture, including the proportions of asbestos fibres and cement.

Dimensions - dimensions of various types of conduits and troughs, including their diameter and length.

Physical Properties - requirements for properties like compressive strength, water absorption, and resistance to impact and corrosion.

The Standard has prescribed various tests to assess these parameters to ensure compliance to the above requirements.