

## **IS 15741 : 2007 Textiles — Resistance to Ignition of Curtains and Drapes — Specification**

Public buildings have seen frequent fire incidents in recent years, often triggered by minor causes such as electrical short circuits or ignition sources. While the initial cause may not be hazardous, the presence of combustible materials like curtains, drapes, and upholstered furniture allows fire to spread rapidly, significantly increasing risks to life and property. To mitigate such dangers, it is crucial to establish stringent standards for the fire resistance of these materials. Implementation of fire-resistant textiles in public spaces, such as theatres, hotels, and offices, aligns with National fire safety practices will help to minimize damage and ensure greater protection for occupants and assets.

Knowing the necessity of ignition resistance curtains and drapes in public places or buildings, Bureau of Indian Standards (BIS) has published IS 15741 to specify the requirements such as 'Ignitability' and 'Durability of Fire Retardant Property' for the ignition resistance curtains and drapes in the year 2007. This standard has been amended in 2014 to enlarge the scope of the standard for covering the fabrics used to produce ignition resistance curtains and drapes. This amendment to IS 15741 also incorporate the additional requirements of 'Toxicity index' and 'Visibility due to smoke released on combustion along with their test methods specified in Annexures. It also modifies the marking, sampling and packing criteria for ignition resistance curtains or drapes or their fabrics.

IS 15741 also categorizes the ignition resistance curtains or drapes or their fabrics for the requirement of 'Ignitability' into two categories based on Hazard category (i.e. low, moderate and high) as Class 1 and Class 2 as per IS 15612 (Part 1).

Recognizing the importance of ignition resistance curtains and drapes to prevent fire incidents, the Government of India issued a Quality Control Order mandating BIS certification for ignition resistance curtains and drapes or there fabrics in compliance with IS 15741, effective from October 2023."