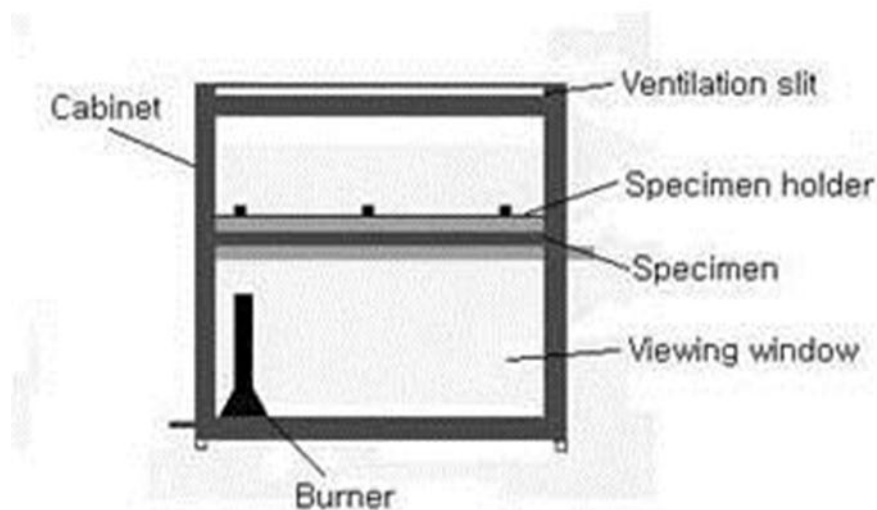


FLAMMABILITY TEST FOR MOTOR VEHICLE INTERIORS (FMVSS 302, ISO 3795, BS AU 169A:1992)

THE ACCEPTED STANDARD IN THE MOTOR INDUSTRY, ENSURING ONLY THE HIGHEST LEVEL OF FIRE SAFETY.

The test is used for determining the horizontal burning rate of materials used in the occupant compartment of road vehicles (for example, passenger cars, lorries/trucks, estate cars, coaches), and of tractors and machinery for agriculture and forestry, after exposure to a small flame. This method can be used for testing materials and parts of the vehicle interior individually, or in combinations up to a thickness of 13 mm. It can be used to judge the uniformity of production lots of such materials with respect to their burning behaviour.

The sample, held horizontally in a U-shaped holder, is exposed to low-energy flame for 15 s in a combustion chamber. The test determines if and when the flame extinguishes or the time in which the flame passes a measured distance.



$$B = 60 \times (D/T)$$

Where :

B = Burn rate in millimetres per minute

D = Length the flame travels in millimetres

T = Time in seconds for the flame to travel D millimetres