

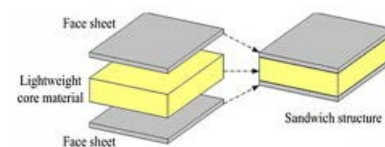
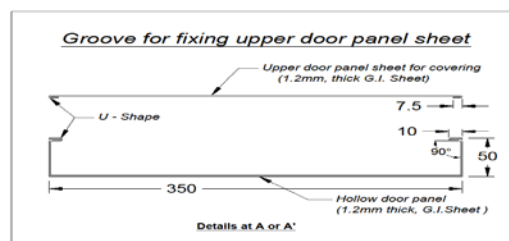
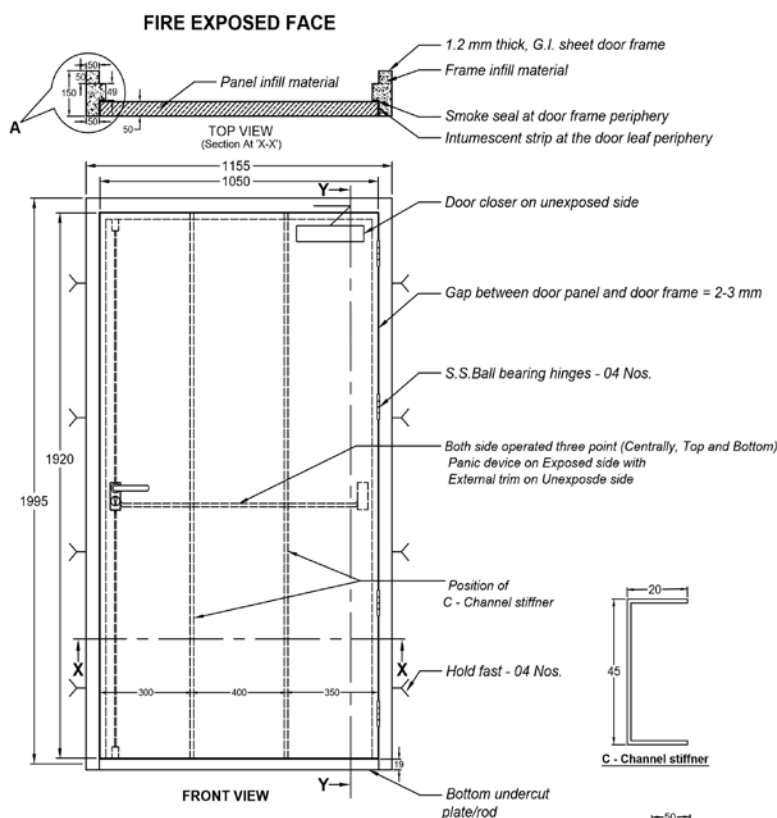
PARTIALLY INSULATED SINGLE LEAF SINGLE SWING METAL COMPOSITE FIRE DOOR FOR 120 MINUTES

Technology on Brief

In modern buildings, passive fire protection is crucial for occupant safety and structural resilience. Fire-rated doors are vital passive fire protection systems used to compartmentalize fire, ensure occupant safety, and protect property during fire events. Fire rated door helps restricting the movement of flames, smoke, and heat during fire. Common use of fire door in important buildings such as Hospitals, Office buildings, Shopping malls, Schools, Universities and other large human occupies permanent structure.

Salient Features/ Advantages

1. Door specifications as per IS: 3614-2021
2. It has symmetrical construction.
3. Infill materials easily available.
4. Infill materials easy to apply.
5. Door open outward the room which provide full use of panic bar.
6. Self-closing, self-latched.
7. It has light weight only approx. 87 kg with hardware.



Properties & Standards	Complies to Indian Standard IS 3614: 2021 and British standard BS: 476 Part 20- & 21
End Product	Door has 120 min. partially insulated (FD120PI) rating as per IS 3614:2021
License/ Commercialization	-
TRL	7
Environment Impact	Environment friendly as negligible or no smoke during fire.
Setup-Equipment required	Sharp knife, long metal scale or wooden baton for cutting the ceramic wool, Wooden piece of 300 mm ² for pressing of infill material, any pressed device for pressing the upper sheet grooved.
Linkedin Video Link	https://www.linkedin.com/posts/csircbri_strengthening-indias-fire-safety-ecosystem-activity-7398918520312369152-Ovrs?utm_source=share&utm_medium=member_desktop&rcm=ACoAAE1ijyABshTzQUwK7Dj8mksi4yko5dgW6LA
Youtube Video Link	https://youtu.be/MeZG38kbMYQ