



2.12. Minimum Fire resistance ratings for opening protections

2.12.1. Opening protective in Fire resistance rated assemblies in various building components shall be as per **Table 1.10**. See **Section 7** for material tests requirements.

Table 1.10: Fire Resistance rating for opening protectives (Doors, Windows, Shutters etc.)

BUILDING COMPONENTS AND TYPE OF FIRE RATED ASSEMBLY	REQUIRED FIRE RATING OF THE WALL / PARTITION ASSEMBLY	MINIMUM FIRE RATING OF FIRE DOOR / FIRE SHUTTER ASSEMBLY	DOOR VISION PANEL / WIRED GLASS MAXIMUM SIZE	MINIMUM FIRE RATING OF FIRE WINDOW ASSEMBLY	MINIMUM SIDE LIGHT/ TRANSOM ASSEMBLY RATING
1. EXTERIOR WALLS					
	4 Hour	3 Hour	As per test	3 Hour	3 Hour
	3 Hour	3 Hour	As per test	3 Hour	3 Hour
	2 Hour	90 Minutes	As per test	90 Minutes	120 Minutes
	1 Hour	60 Minutes	0.065 m ²	45 Minutes	45 Minutes
2. INETERIOR WALLS					
2.1. Fire Walls and Fire Barriers	4 Hour	3 Hour	Not allowed	Not allowed	3 Hour
	3 Hour	3 Hour	Not allowed	Not allowed	3 Hour
	2 Hour	90 Minutes	Not allowed	Not allowed	120 Minutes
	1 Hour	60 Minutes	As per test	45 Minutes	45 Minutes
	30 Minutes	20 Minutes	As per test	20 Minutes	20 Minutes
2.2. Exit Corridor	2 Hour	90 Minutes	As per test	120 Minutes	120 Minutes
	1 Hour	60 Minutes	As per test	45 Minutes	45 Minutes
2.3. Elevator Hoistways	3 Hour	90 Minutes	0.1 m ²	Not allowed	120 Minutes
	2 Hour	90 Minutes	0.1 m ²	Not allowed	120 Minutes
	1 Hour	60 Minutes	0.1 m ²	60 Minutes	60 Minutes
2.4. Elevator Lobby	1 Hour	60 Minutes	0.065 m ²	60 Minutes	60 Minutes
2.5. Vertical Shafts (Stairs, Shafts, Chutes)	2 Hour When >4 floors	90 Minutes	As per test	Not allowed	120 Minutes
	1 Hour When <4 floors	60 Minutes	As per test	60 Minutes	60 Minutes
2.6. Horizontal Exit	2 Hour	90 Minutes	As per test	120 Minutes	120 Minutes
2.7. Smoke Barrier	1 Hour	20 Minutes	As per test	45 Minutes	45 Minutes
2.8. Smoke Partition	30 Minutes	20 Minutes	As per test	20 Minutes	20 Minutes