

AMENDMENT NO. 1 JULY 2023

TO

IS 3614 : 2021 FIRE DOORS AND DOORSETS — SPECIFICATION

(First Revision)

(Page 1, clause 3.5, line 2) — Delete ‘usually metallic’.

(Page 2, clause 3.34) — Insert ‘(see 5.1)’ at the end of the definition.

(Page 3, clause 3.58, line 2) — Substitute ‘metal bar’ for ‘steel bar’.

(Page 4, clause 4.1, line 4) — Substitute ‘IS 17518 (Part 1)’ for ‘IS/ISO 3008-1’.

(Page 5, clause 5.2) — Substitute the following for the existing:

‘5.2 Insulated Fire Door

Insulated fire doors shall be tested for both integrity and insulation and designated accordingly. Insulated fire doors can be classified as follows:

5.2.1 Partially Insulated Fire Door

Partially insulated fire doors (PI) shall be tested for both integrity and insulation and designated accordingly. The provision of this standard requires any partially insulated fire door to have a minimum insulation fire resistance period of 30 min. For example, if a door has passed 120 min of integrity, and minimum 30 min of insulation, then it is designated as ‘FD 120 PI’.

5.2.2 Fully Insulated Fire Door

Fully insulated fire doors (ID) shall be tested for both integrity and insulation and designated accordingly. Minimum insulation rating of fully insulated fire door shall be same as that of integrity rating. For example, if a door has passed 120 min of integrity, and minimum 120 min of insulation, only then it is designated as ‘FD 120 ID’.

(Page 5, clause 5.3) — Substitute the following for the existing:

‘5.3 Uninsulated Fire Door

A fire door tested for fire rating of integrity only and not requiring any minimum insulation shall be considered as uninsulated fire door. The fire door shall be designated accordingly. For example, if a door has passed 120 min of integrity alone and no insulation or for insulation less than 30 min, it is designated as ‘FD 120 UD’.

(Page 5, Table 1) — Substitute the following for the existing:

Table 1 Classification of Fire Door Based on Fire Rating
(Clause 5.1)

Sl No.	Uninsulated Fire Door			Partially Insulated Fire Door			Fully Insulated Fire Door		
	Integrity min	Insulation min	Classification	Integrity min	Insulation min	Classification	Integrity min	Insulation min	Classification
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
i)	30	NA	FD 30 UD	30	30	FD 30 PI	30	30	FD 30 ID
ii)	60	NA	FD 60 UD	60	30	FD 60 PI	60	60	FD 60 ID

Price Group 1

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Sl No.	Uninsulated Fire Door			Partially Insulated Fire Door			Fully Insulated Fire Door		
	Integrity min	Insulation min	Classification	Integrity min	Insulation min	Classification	Integrity min	Insulation min	Classification
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
iii)	90	NA	FD 90 UD	90	30	FD 90 PI	90	90	FD 90 ID
iv)	120	NA	FD 120 UD	120	30	FD 120 PI	120	120	FD 120 ID
v)	180	NA	FD 180 UD	180	30	FD 180 PI	180	180	FD 180 ID

(Page 6, clause 7.2.2 and Note) — Substitute the following for the existing:

7.2.2 Sizes

The maximum wall opening size for any hinged metallic fire door shall not exceed 7.2 m² with the maximum permissible width of 2.4 m and height of 3.0 m.'

(Page 8, clause 7.2.9, para 1, line 1) — Substitute 'should' for 'shall'.

(Page 8, clause 7.2.9, para 1, line 17) — Substitute 'should' for 'shall'.

(Page 8, clause 7.2.9, para 5, line 11) — Substitute 'should' for 'shall'.

(Page 9, clause 7.3.2) — Substitute the following for the existing:

7.3.2 Sizes

The maximum wall opening size for any hinged wooden fire door shall not exceed 7.2 m² with the maximum permissible door width of 2.4 m and height of 3.0 m. The doorsets shall be factory prepared for all hardware and no work shall be carried out on doors at site.'

(Page 9, clause 7.3.3, para 3) — Delete.

(Page 10, clause 7.3.5) — Delete.

(Page 12, clause 7.6, para 6, line 3) — Substitute 'may' for 'shall'.

(Page 18, Annex A) — Substitute the following in place of IS 208, IS 12817, and IS/ISO 3008-1 respectively:

IS No.	Title
IS 208 : 2020	Door handles — Specification (sixth revision)
IS 12817 : 2020	Stainless steel butt hinges — Specification (third revision)
IS 17518 (Part 1) : 2022	Fire resistance tests — Door and shutter assemblies: Part 1 General requirements'

(Page 22, clause C-2.2, para '**Tested product**') — Substitute the existing with following:

Tested product

Fully insulated fire door/ Partially insulated fire door/ Uninsulated fire door'
(Choose the relevant door category from the above)'

(Page 23, Annex C) — Substitute 'IS 17518 (Part 1) : 2022' for 'IS/ISO 3008-1 : 2019'.