

# DIN EN 45545-3:2024-05 (E)

## Railway applications - Fire protection on railway vehicles - Part 3: Fire resistance requirements for fire barriers

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	Application of fire barriers .....	7
5	Classification, requirements and test procedures .....	7
5.1	General requirements .....	7
5.2	Classification of fire barriers .....	7
5.3	Arc barrier Type A .....	7
5.4	Arc barrier Type B .....	7
5.5	Requirements .....	7
5.6	Standard fire resistance tests .....	12
5.6.1	General .....	12
5.6.2	Doors .....	12
5.6.3	Non-standard fire resistance tests .....	12
5.6.4	Conventional classified products .....	12
6	Evaluation of conformity .....	13
Annex A (normative) Requirements for mounting and fixing of test specimens .....		14
A.1	General .....	14
A.2	Terms and definitions .....	14
A.3	Product parameters and end-use application parameters .....	15
A.4	Restraint and boundary conditions .....	15
A.5	Size of test specimen .....	15
A.6	Number of test specimens .....	15
A.7	Construction of test specimens and verification .....	16
A.8	Installation of test specimen .....	16
A.9	Conditioning of test specimen .....	16
A.10	Joint construction .....	16
Annex B (informative) Figures relating to Clause 5 .....		17
B.1	Locations of fire barriers (example 1) .....	17
B.2	Locations of fire barriers (examples 2 and 3) .....	18
B.3	Locations of fire barriers (example 4) .....	20
B.4	Locations of fire barriers (example 5) .....	22
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive (EU) 2016/797 aimed to be covered .....		23
Bibliography .....		24