

DIN EN 45545-2:2020-10 (E)

Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behavior of materials and components

| Contents | | Page |
|--|---|-------------|
| European foreword | | 3 |
| Introduction | | 8 |
| 1 | Scope | 9 |
| 2 | Normative references | 9 |
| 3 | Terms and definitions | 10 |
| 4 | Requirements | 11 |
| 4.1 | Essential fire safety objectives | 11 |
| 4.2 | General | 11 |
| 4.3 | Grouping rules | 13 |
| 4.4 | Listed products | 15 |
| 4.5 | Non-listed products | 21 |
| 4.6 | Refurbishment and maintenance requirements | 22 |
| 4.7 | Products to be approved on functional necessity | 23 |
| 4.8 | Set of material requirements | 23 |
| 5 | Test properties | 31 |
| 5.1 | Summary of test methods | 31 |
| 5.2 | Modifications on test methods used in 5.1 | 36 |
| 5.3 | Testing rules | 37 |
| 6 | Evaluation of conformity | 39 |
| Annex A(normative) Protocol for test specimen preparation in standard tests | | 40 |
| A.1 | Protocol for specimen preparation for tests according to EN ISO 5659-2 and ISO 5660-1 .. | 40 |
| A.2 | Protocol for specimen preparation of upholstered furniture assembled products for tests according to EN ISO 5659-2 and ISO 5660-1 | 40 |
| A.3 | Protocol for test specimen preparation for flame spread testing | 41 |
| Annex B(informative) Product classification guidance | | 42 |
| B.1 | Introduction | 42 |
| B.2 | Multiple product classification | 42 |
| B.3 | Test requirement set grouped for multiple product classifications | 43 |
| Annex ZA(informative) Relationship between this European Standard and the Essential Requirements of Directive (EU) 2016/797 aimed to be covered | | 47 |
| Bibliography | | 49 |