

DIN EN 13501-3:2010-02 (E)

Fire classification of construction products and building elements - Part 3:
Classification using data from fire resistance tests on products and elements used in
building service installations: fire resisting ducts and fire dampers (includes
Amendment A1:2009)

| Contents | | Page |
|---------------------|--|-------------|
| Foreword | | 3 |
| Introduction | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 5 |
| 4 | Fire scenarios | 6 |
| 4.1 | General | 6 |
| 4.2 | The standard temperature/time curve (post flashover fire) | 6 |
| 5 | Resistance to fire performance characteristics | 7 |
| 5.1 | Performance characteristics | 7 |
| 5.1.1 | Introduction | 7 |
| 5.1.2 | E - Integrity | 7 |
| 5.1.3 | I - Insulation | 8 |
| 5.1.4 | S - Smoke leakage | 8 |
| 6 | Declaration of fire resistance performance | 8 |
| 6.1 | Classification periods | 8 |
| 6.2 | Designatory letters | 8 |
| 6.3 | Declaration of performance | 8 |
| 6.4 | Combinations of classes | 9 |
| 6.5 | Presentation of classification | 9 |
| 6.6 | Declaration of fire resistance classes in product specifications | 9 |
| 7 | Classification procedure for fire resistance | 9 |
| 7.1 | General | 9 |
| 7.1.1 | Procedure | 9 |
| 7.1.2 | General rules for deducing the number of fire resistance tests | 10 |
| 7.1.3 | "Field of application" | 11 |
| 7.2 | Classification | 11 |
| 7.2.1 | General | 11 |
| 7.2.2 | Ventilation ducts | 11 |
| 7.2.3 | Fire dampers | 13 |
| Annex A (normative) | Classification report | 16 |
| A.1 | General | 16 |
| A.2 | Content and format | 16 |
| Bibliography | | 20 |