

DIN EN 13501-5:2010-02 (E)

**Fire classification of construction products and building elements - Part 5:
Classification using data from external fire exposure to roofs tests (includes
Amendment A1:2009)**

Contents

| | Page |
|--|-----------|
| Foreword | 3 |
| Introduction | 4 |
| 1 Scope..... | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions..... | 5 |
| 4 Classes of external fire performance of roofs/roof coverings | 9 |
| 5 Test methods..... | 9 |
| 5.1 General | 9 |
| 5.2 Test 1: Method with burning brands | 9 |
| 5.3 Test 2: Method with burning brands and wind | 9 |
| 5.4 Test 3: Method with burning brands, wind and supplementary radiant heat..... | 9 |
| 5.5 Test 4: Two stage method incorporating burning brands, wind and supplementary radiant heat..... | 10 |
| 6 Principles for specimen preparation, testing and classification | 10 |
| 6.1 General requirements for specimen preparation | 10 |
| 6.2 General requirements for testing | 10 |
| 6.3 Selection of test methods | 10 |
| 6.4 [A1] Field of application [A1] | 11 |
| 6.5 Specific requirements..... | 11 |
| 6.5.1 General | 11 |
| 6.5.2 Test 1 | 11 |
| 6.5.3 Test 2 | 13 |
| 6.5.4 Test 3 | 14 |
| 6.5.5 Test 4 | 16 |
| 7 Number of tests for classification | 16 |
| 8 Classification parameters | 17 |
| 8.1 Test 1 | 17 |
| 8.2 Test 2 | 17 |
| 8.3 Test 3 | 17 |
| 8.4 Test [AC] deleted text [AC] 4 | 17 |
| 9 Classes and criteria | 18 |
| 10 Classification report | 20 |
| 10.1 General | 20 |
| 10.2 Content and format | 20 |
| Annex A (informative) General information on the four test methods in ENV 1187:2002 | 22 |
| Annex B (normative) Classification report for roofs/roof coverings exposed to external fire | 23 |
| B.1 General layout | 23 |
| B.2 Introduction | 23 |
| B.3 Description of the roof/roof covering | 23 |
| B.4 [A1] Reports and results in support of this classification [A1] | 24 |
| B.5 Classification and field of application | 29 |
| B.6 Limitations | 30 |