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

Fire classification of construction products and build ing 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