DIN EN 15254-4:2019-02 (E)

Extended application of results from fire resistance tests - Non-loadbearing walls - Part 4: Glazed constructions

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 Principles 6
4.1 General principles 6
4.2 Use of test evidence 8
4.3 Combination of extended application 9

5 Specific changes to the glazing system 10
5.1 Exchange of the fire resistant glass 10
5.2 Glass shapes 14
5.3 Increase of glass dimensions 14
5.4 Exchange of timber glazing beads 14
5.5 Exchange of metal glazing beads 15
5.6 Exchange of glazing system materials 16
5.7 Bead surface coverings 16

6 Specific changes to the framing system 17
6.1 Exchange of frames 17
6.2 Frame surface coverings 18

7 Changes to the fire resistant glazed element 19
7.1 Increase in dimensions and replication for fire resistant glazed elements with classification EW 19
7.2 Decrease in dimensions for fire resistant glazed elements with classification EW 20

Annex A (informative) Examples for using this standard with regard to requested extended applications based on the reference test and pre-existing test data 21

A.1 Examples for fire resistant glass with E Classification based on Table A.1 21
A.2 Examples for fire resistant glass with EW Classification, based on Table A.2 23
A.3 Examples for fire resistant glass with EI Classification based on Table A.3 25

Annex B (normative) Radiation calculations 27

B.1 Radiation calculations 27

Bibliography 30