DIN EN 15882-2:2023-02 (E)

Extended application of results from fire resistance tests for service installations - Part 2: Fire dampers

Contents

Page

European foreword 3

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 7

4 Test requirements for assessment of design changes and modification of the manufacturing process 7
4.1 General 7
4.2 Design and manufacturing changes 7
4.2.1 Pre-test 7
4.2.2 Fire test 8
4.2.3 Extended field of application 8
4.3 Actuators, remote triggering devices, actuating mechanisms, fusible links and sensing elements 8
4.3.1 Actuators 8
4.3.2 Actuators with an associated thermal element device that controls the action of the actuator to close the fire damper in the event of fire 9
4.3.3 Remote triggering device (e.g. magnet) 10
4.3.4 Actuating mechanism 10
4.3.5 Fusible links and elements (not associated with the actuator supplier) 11

5 Determination of worst case 12

6 Conditions and application rules 13
6.1 Change of fixing damper to supporting construction 13
6.2 Multiple damper assemblies 13
6.2.1 E Classification only 13
6.2.2 EI, E-S, EI-S classifications 15
6.2.3 Field of application 15
6.3 Alternative penetration seals 16

7 Influence of parameters and factors on fire damper performance 16

8 Critical parameters and factors 16
8.1 General 16
8.2 Common operational parameters and factors 17

9 Constructional parameters 17
9.1 General 17
9.2 Parameters of components of damper 18
9.3 Parameters for installation 19

10 Methodology 19

11 Extended field of application report 42

Bibliography 45