

DIN EN 1364-2:2018-03 (E)

Fire resistance tests for non-loadbearing elements - Part 2: Ceilings

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Test equipment	7
5	Test conditions	7
6	Test specimen	7
6.1	Size	7
6.1.1	Self-supporting ceilings exposed to fire from below or from above	7
6.1.2	Suspended ceilings exposed to fire from below or from above	7
6.2	Number	8
6.3	Design	8
6.3.1	General	8
6.3.2	Orientation	8
6.3.3	Support conditions	8
6.4	Construction	9
6.5	Verification	9
7	Installation of test specimen	9
7.1	General	9
7.2	Supporting construction	9
7.2.1	General	9
7.2.2	Exposure to fire from below	9
7.2.3	Exposure to fire from above	9
8	Conditioning	10
9	Application of instrumentation	10
9.1	Thermocouples	10
9.1.1	Furnace thermocouples (plate thermometers)	10
9.1.2	Unexposed surface thermocouples	10
9.2	Pressure	11
10	Test procedure	11
10.1	Fire test	11
10.2	Pressure control	11
10.3	Integrity	11
10.4	Insulation	11
10.5	Observations during the test	11
11	Performance criteria	12
11.1	General	12
11.2	Integrity	12
11.2.1	Fire from below	12

11.2.2	Fire from above	12
11.3	Insulation	12
12	Test report	12
13	Field of direct application of test results	12
13.1	General	12
13.2	Self-supporting ceilings exposed to fire from below or from above	12
13.2.1	Size	12
13.2.2	Fittings	13
13.2.3	Cavities above self-supporting ceilings	13
13.2.4	Cables, pipes, etc. above the ceiling	13
13.3	Suspended ceilings with fire from below	13
13.3.1	Size	13
13.3.2	Fittings	14
13.3.3	Cavity	14
13.3.4	Length of supporting hangers	14
13.3.5	Cables, pipes, etc. above the ceiling	14
13.4	Suspended ceilings with fire from above	14
13.4.1	Size	14
13.4.2	Cavity	14
13.4.3	Length of supporting hangers	14
13.4.4	Supporting construction with fire from above	14
13.4.5	Cables, pipes, etc. above the ceiling	14
13.5	Ceilings incorporating self-supporting and suspended parts with fire from below	15
13.5.1	Size	15
13.5.2	Fittings	15
13.5.3	Cavity	15
13.5.4	Length of supporting hangers	15
13.5.5	Cables, pipes etc. above the ceiling	15
13.6	Ceilings incorporating self-supporting and suspended parts with fire from above	15
13.6.1	Size	15
13.6.2	Cavity	15
13.6.3	Length of supporting hangers	15
13.6.4	Supporting construction with fire from above	15
13.6.5	Cables, pipes, etc. above the ceiling	16
	Bibliography	24