

# DIN EN 1364-6:2025-05 (E)

## Fire resistance tests for non-loadbearing elements - Part 6: Open-state cavity barriers

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	Test equipment .....	8
5	Test conditions .....	8
5.1	Heating conditions .....	8
5.2	Pressure conditions .....	9
5.2.1	General .....	9
5.2.2	Open-state cavity barriers .....	9
6	Test specimen .....	9
6.1	General .....	9
6.2	Size .....	9
6.3	Number .....	9
6.4	Design .....	9
6.4.1	General .....	9
6.4.2	Test configuration .....	10
6.4.3	Boundary/restraint conditions .....	10
6.5	Construction .....	10
6.6	Verification .....	10
7	Installation of test specimen .....	10
7.1	General .....	10
7.2	Standard supporting construction .....	10
7.2.1	General .....	10
7.2.2	Test specimens mounted in wall constructions .....	10
7.2.3	Test specimens mounted in floor constructions .....	10
7.3	Splice locations for open-state cavity barriers .....	11
8	Conditioning .....	11
9	Application of instrumentation .....	11
9.1	Thermocouples .....	11
9.1.1	Furnace thermocouples (plate thermometers) .....	11
9.1.2	Unexposed surface thermocouples .....	11
9.2	Pressure .....	12
10	Test procedure .....	12
10.1	General .....	12
10.2	Furnace control .....	12
10.3	Evaluation of integrity .....	12
10.4	Observations during the test .....	12
10.5	Termination of test .....	12

<b>11</b>	<b>Performance criteria .....</b>	<b>13</b>
<b>11.1</b>	<b>General .....</b>	<b>13</b>
<b>11.2</b>	<b>Open-state cavity barriers .....</b>	<b>13</b>
<b>11.2.1</b>	<b>Insulation .....</b>	<b>13</b>
<b>11.2.2</b>	<b>Integrity .....</b>	<b>13</b>
<b>11.3</b>	<b>Expression of results .....</b>	<b>13</b>
<b>12</b>	<b>Test report .....</b>	<b>13</b>
<b>12.1</b>	<b>General .....</b>	<b>13</b>
<b>12.2</b>	<b>Reports of tests undertaken on open-state cavity barriers .....</b>	<b>13</b>
<b>13</b>	<b>Field of direct application of the test results .....</b>	<b>14</b>
<b>13.1</b>	<b>Open-state cavity barriers .....</b>	<b>14</b>
<b>13.1.1</b>	<b>Supporting constructions .....</b>	<b>14</b>
<b>Annex A (informative) Background and testing philosophy of cavity barriers .....</b>		<b>16</b>
<b>Bibliography .....</b>		<b>18</b>