

# ISO 3008-3:2016-05 (E)

## Fire resistance tests - Part 3: Door and shutter assemblies horizontally oriented

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Test equipment .....	2
5	Test conditions .....	2
6	Test specimen .....	2
6.1	Size of specimen .....	2
6.2	Design of specimen .....	2
6.3	Verification .....	3
7	Installation of test specimen .....	3
7.1	General .....	3
7.2	Supporting construction .....	3
7.3	Test construction .....	3
7.3.1	Associated and supporting construction .....	3
7.3.2	Associated construction .....	4
7.3.3	Supporting construction .....	4
7.4	Gaps .....	4
8	Conditioning .....	4
8.1	Moisture content .....	4
8.2	Mechanical .....	4
9	Application of instrumentation .....	4
9.1	Temperature measurements .....	4
9.1.1	Furnace temperature measuring instrument .....	4
9.1.2	Unexposed face thermocouples .....	5
9.2	Maximum temperature .....	6
9.3	Pressure measurements .....	6
9.4	Heat flux measurement .....	6
9.4.1	General .....	6
9.4.2	Apparatus .....	7
9.4.3	Procedure .....	7
9.4.4	Measurement .....	8
9.5	Loading .....	8
9.6	Deflection .....	8
10	Test procedure .....	8
10.1	Gap measurements .....	9
10.2	Test Measurements .....	9
11	Performance criteria .....	9
11.1	Integrity .....	9

11.2	Insulation .....	9
11.3	Loadbearing capacity .....	9
12	Test report .....	10
13	Field of direct application of test results .....	10
13.1	General .....	10
13.2	Timber constructions .....	11
13.3	Steel constructions .....	11
13.4	Glazed constructions .....	11
13.5	Fixings/hardware .....	11
Annex A (normative) Conditioning requirements for supporting constructions .....		13
Annex B (informative) Estimation of radiant heat flux using measured surface temperature and Stefan-Boltzmann law .....		14