

ISO 3008-1:2019 (E)

Fire resistance tests — Door and shutter assemblies — Part 1: General requirements

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Test equipment
5	Test conditions
6	Test specimen
6.1	Size of specimen
6.2	Number of specimens
6.3	Design of specimen
6.4	Construction
6.5	Verification
7	Installation of test specimen
7.1	General
7.2	Supporting construction
7.3	Test construction
7.3.1	Associated and supporting construction
7.3.2	Associated construction
7.3.3	Supporting construction
7.3.4	Restraint on supporting construction
7.4	Gaps
8	Conditioning
8.1	Moisture content
8.2	Mechanical
9	Application of instrumentation
9.1	Temperature measurements
9.1.1	Furnace-temperature measuring instrument
9.1.2	Unexposed-face thermocouples
9.2	Maximum temperature
9.3	Temperature of door frame
9.4	Pressure measurements
9.5	Heat-flux measurement
9.5.1	General
9.5.2	Apparatus
9.5.3	Procedure
9.5.3.1	General positioning
9.5.3.2	Specific locations
9.5.4	Measurement
9.6	Deflection
10	Test procedure

- 11** **Performance criteria**
 - 11.1** **Integrity**
 - 11.2** **Insulation**
- 12** **Test report**
- 13** **Field of direct application of test results**
 - 13.1** **General**
 - 13.2** **Timber constructions**
 - 13.3** **Steel constructions**
 - 13.4** **Glazed constructions**
 - 13.5** **Fixings/hardware**
- Annex A** **(normative) Conditioning requirements for supporting constructions**
 - A.1** **General**
 - A.2** **Requirements**
- Annex B** **(informative) Estimation of radiant heat flux using measured surface temperature and the Stefan-Boltzmann law**
 - B.1** **Introduction**
 - B.2** **Application**
 - B.2.1** **General**
 - B.2.2** **Specimen temperature measurement**
 - B.2.3** **Specimen emissivity**
 - B.3** **Example calculation**

Page count: 52