

# DIN EN ISO 9239-1:2025-10 (E)

## Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2025)

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b>		iv
<b>Introduction</b>		v
<b>1</b>	<b>Scope</b>	<b>1</b>
<b>2</b>	<b>Normative references</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions</b>	<b>2</b>
<b>4</b>	<b>Principle</b>	<b>3</b>
<b>5</b>	<b>Apparatus</b>	<b>3</b>
5.1	General	3
5.2	Test chamber	3
5.3	Specimen holder	3
5.4	Sliding platform	3
5.5	Steel scale	4
5.6	Gas-fired radiant panel	4
5.7	Pilot burner	4
5.8	Exhaust system	4
5.9	Anemometer	4
5.10	Radiation pyrometer	4
5.11	Thermocouples	5
5.12	Heat flux meter	5
5.13	Dummy specimen	5
5.14	Recording equipment	5
5.15	Timing device	5
5.16	Smoke measurements	5
<b>6</b>	<b>Test specimens</b>	<b>5</b>
6.1	General and number	5
6.2	Substrates	6
6.3	Adhesives	6
6.4	Underlay	6
6.5	Tiles	6
6.6	Loose laid flooring	6
6.7	Washing and cleaning	6
6.8	Formal test	6
<b>7</b>	<b>Conditioning</b>	<b>7</b>
<b>8</b>	<b>Test procedure</b>	<b>7</b>
8.1	Calibration procedure	7
8.2	Standard test procedure	8
<b>9</b>	<b>Expression of results</b>	<b>9</b>
<b>10</b>	<b>Test report</b>	<b>9</b>
<b>Annex A</b> (normative)	<b>Smoke measurement</b>	<b>20</b>
<b>Annex B</b> (informative)	<b>Precision of test method</b>	<b>23</b>
<b>Annex C</b> (normative)	<b>Gas and air supplies</b>	<b>24</b>
<b>Annex D</b> (informative)	<b>Template report format for this document</b>	<b>25</b>
<b>Bibliography</b>		<b>30</b>