



## 5.2 TEST RESULTS

Measured average and maximum temperatures on the unexposed specimens surfaces are shown in appendices of the test report.

Observation of specimen behavior during the course of the test		
Time [min:s]	Exposed door face	Unexposed door face
01:30	Flaming of the door surface;	Soft fuming above the door leaf;
03:00		No fuming around the door leaf;
06:40	Flaming of the door surface;	Fuming above the door leaf and from the cylinder lock;
15:40		Fuming above the door leaf in the place of integrated self-closing mechanism;
19:20		Intensive fuming above the door leaf around the integrated self-closing mechanism;
26:20	Flaming of the door surface;	Intensive fuming above the door leaf around the integrated self-closing mechanism;
27:30		Gap creating above the door leaf in the place of integrated self-closing mechanism;
29:40		Cotton pad test in the place of created gap – negative;
<b>30:50</b>		Sustained flaming above the door leaf – <b>integrity failure</b> ;
<b>31:20</b>	<b>Termination of the test.</b>	

## 5.3 EVALUATION OF THE TEST

<b>integrity</b> – <i>sustained flaming</i>	30 minutes
<b>integrity</b> – <i>gap gauges Ø 6 mm / Ø 25 mm</i>	30 minutes no failure
<b>integrity</b> – <i>cotton pad</i>	30 minutes
<b>insulation</b> – <i>average temperature (140 K)</i>	30 minutes no failure
<b>insulation</b> – <i>maximal temperature (180 K)</i>	30 minutes no failure
<b>insulation</b> – <i>maximal temperature (180 K) – supplementary procedure</i>	30 minutes no failure
<b>insulation</b> – <i>maximal temperature – door frame (360 K)</i>	30 minutes no failure
<b>radiation</b> [15 kW.m <sup>-2</sup> ]	30 minutes no failure

The test was discontinued in the 32<sup>nd</sup> minute because of integrity failure.