

ISO/TR 15658:2009-08 (E)

Fire resistance tests - Guidelines for the design and conduct of non-furnace-based large-scale tests and simulation

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test design requirements	2
4.1	General	2
4.2	Ambient environmental conditions	2
4.3	Size of the test assembly	3
4.4	Construction of the test assembly	4
4.5	Test specimen	5
4.6	Selection of heating conditions	6
4.7	Selection of ventilation conditions	7
4.8	Selection of exhaust conditions	7
4.9	Selection of decay conditions (if controlled)	8
5	Test conditions	8
5.1	Ambient conditions	8
5.2	Test conditions -- Thermal	9
5.3	Test conditions -- Pressure	9
5.4	Test conditions -- Mechanical	10
5.5	Timing of the test	10
5.6	Output measurements	10
5.7	Data recording and storage	11
6	Test procedure	11
6.1	Ignition	11
6.2	Safety procedures	11
6.3	Monitoring	11
6.4	Observations	12
6.5	Termination and extinguishing	12
6.6	Post-test analysis	12
7	Test report	12
7.1	Stating the objective	12
7.2	Characterization of the experimental conditions	12
7.3	Expression of the results	12
7.4	Description of the test specimen	13
7.5	Reporting -- Electronic media	13
7.6	Expression of the validity or field of application of the result	13
Bibliography		14