

DIN EN 12101-7:2011-08 (E)

Smoke and heat control systems - Part 7: Smoke duct sections

Contents		Page
Foreword		4
Introduction		5
1	Scope	8
2	Normative references	8
3	Terms and definitions	8
4	Smoke control duct section requirements	10
4.1	General	10
4.1.1	Fire resistance - multi compartment smoke control duct section	10
4.1.2	Fire resistance - single compartment smoke control duct section	11
4.2	Construction and components: characteristics	11
4.2.1	Construction and operation	11
4.2.2	Structural supports used for smoke control duct sections	11
4.3	Fire resistance performance criteria: Multi compartment fire resisting smoke control duct sections	12
4.3.1	Integrity, insulation, leakage,	12
4.3.2	Fire resistance classification and designation	13
4.4	Fire resistance performance criteria: Single compartment smoke control duct sections ..	13
4.4.1	Integrity, leakage	13
4.4.2	Fire resistance classification and designation	13
5	Test methods	14
5.1	Ambient leakage tests	14
5.2	Fire resistance tests	14
5.2.1	General	14
5.2.2	Smoke control duct section: integrity and insulation	14
5.2.3	Leakage rated smoke control duct section	15
6	Evaluation of conformity	15
6.1	General	15
6.2	Initial type testing (ITT)	15
6.2.1	General	15
6.2.2	Modifications	15
6.2.3	Previous tests and product families	16
6.2.4	Test samples	16
6.2.5	Test report	16
6.3	Factory product control (FPC)	17
6.3.1	General	17
6.3.2	General requirements	17
6.3.3	FPC specific requirements	17
6.3.4	Initial inspection of factory and FPC	19
6.3.5	Continuous surveillance of FPC	20
6.3.6	Procedure for modifications	20
6.4	One-off smoke control duct sections, pre-production smoke control duct sections (e.g. prototypes) and smoke control duct sections produced in very low quantities	20
7	Marking and documentation	21

8	Product, installation and maintenance information (documentation)	21
8.1	Product specification	21
8.2	Installation information	21
8.3	Maintenance information	22
Annex A (informative) Example of inspection and maintenance procedure		23
Annex B (normative) Factory production control - test plan		24
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive		25
ZA.1 Scope and relevant characteristics		25
ZA.2 Procedure for the attestation of conformity of smoke control duct sections		27
ZA.2.2 EC certificate of conformity and EC declaration of conformity		28
ZA.3 CE Marking		29
Bibliography		30