

ISO 21927-7:2017-04 (E)

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

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Smoke control duct section requirements	3
4.1	General	3
4.1.1	Fire resistance -- multi-compartment smoke control duct section	3
4.1.2	Fire resistance -- single compartment smoke control duct section	4
4.2	Construction and components: Characteristics	4
4.2.1	Construction and operation	4
4.2.2	Structural supports used for smoke control duct sections	4
4.2.3	Duct sealant materials used in or between smoke control duct sections	4
4.2.4	Penetration seals between fire compartments	4
4.2.5	Other components	5
4.3	Fire resistance performance criteria: Multi-compartment fire resisting smoke control duct sections	5
4.3.1	Integrity, insulation, leakage	5
4.3.2	Fire resistance classification and designation	6
4.4	Fire resistance performance criteria: Single compartment smoke control duct sections	6
4.4.1	Integrity, leakage	6
4.4.2	Fire resistance classification and designation	6
5	Test methods	7
5.1	Ambient leakage tests	7
5.2	Fire resistance tests	7
5.2.1	General	7
5.2.2	Smoke control duct section: integrity and insulation	7
5.2.3	Leakage rated smoke control duct section	8
6	Marking and documentation	8
7	Product, installation and maintenance information (documentation)	8
7.1	Product specification	8
7.2	Installation information	8
7.3	Maintenance information	9
Annex A (informative) Example of inspection and maintenance procedure		10
Bibliography		11