

DIN EN 1047-2:2019-06 (E)

Secure storage units - Classification and methods of test for resistance to fire - Part 2: Data rooms and data container

Contents		Page
European foreword		3
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Requirements and classification	9
5	Test specimens, technical documentation, material samples, physical fittings and correlation	10
5.1	General requirements for data rooms type A and B and data containers	10
5.1.1	General requirements for test specimens	10
5.1.2	Fire retarding seals	10
5.2	Data room type A test specimens	12
5.3	Data room type B test specimens	14
5.4	Data container test specimens	15
5.5	Test specimen - floor test	15
5.6	Assessment of construction variants	16
5.6.1	General	16
5.6.2	Test specimen - comparison test	16
5.7	Technical documentation of the test specimens	17
5.8	Material samples	17
5.9	Correlation of test specimen and technical documentation	17
6	Test methods	17
6.1	General	17
6.2	Test apparatus	18
6.3	Preparation of test specimens	19
6.4	Preparation of furnace	26
6.5	Conditioning including air conditioning	27
6.5.1	Data room	27
6.5.2	Data containers	27
6.5.3	Wall and floor panels (data rooms, data containers)	27
6.6	Test procedure	27
6.6.1	Data room and data container test	27
6.6.2	Impact test	28
6.6.3	Floor test	29
6.6.4	Comparison test	29
6.6.5	Examinations	30
6.7	Test report	30
7	Series production	31
7.1	General	31
7.2	Fire-retarding penetration seals and configurations in series production	32
8	Labelling	33
Annex A (normative)	Design of the reinforced concrete slab for the floor test	34
Bibliography		35