

# 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

---

<b>Contents</b>		<b>Page</b>
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