

# DIN EN 1366-4:2010-08 (E)

## Fire resistance tests for service installations - Part 4: Linear joint seals (includes Amendment A1:2010)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
Introduction .....		6
1	Scope .....	7
2	Normative references .....	7
3	Terms and definitions .....	7
4	Test equipment .....	8
5	Test conditions .....	8
5.1	Heating conditions .....	8
5.2	Pressure conditions .....	8
6	Test specimen .....	8
6.1	General .....	8
6.2	Size .....	9
6.3	Number of test specimens .....	9
7	Installation of test specimen .....	9
7.1	General .....	9
7.2	Supporting construction .....	9
7.2.1	General .....	9
7.2.2	Standard supporting construction .....	9
7.3	Test construction .....	10
7.4	Splice locations .....	10
7.5	Induced movement .....	11
8	Conditioning .....	11
9	Application of instrumentation .....	11
9.1	General .....	11
9.2	Thermocouples .....	11
9.2.1	Furnace thermocouples .....	11
9.2.2	Unexposed face thermocouples .....	11
9.2.3	Roving thermocouple .....	12
9.3	Deformation and deflection .....	12
9.4	Integrity measurement .....	12
10	Test procedure .....	12
10.1	General .....	12
10.2	Installation of test construction .....	12
10.3	Mechanically induced movement of the test specimen .....	12
10.4	Measurements and observations .....	12
11	Performance criteria .....	13
11.1	Insulation .....	13
11.2	Integrity .....	13
11.3	Expression of results .....	13

12	Test report .....	13
13	Field of direct application of test results .....	13
13.1	Orientation .....	13
13.2	Supporting construction .....	14
13.3	Seal position .....	15
13.4	Mechanically induced movement .....	15
<b>Annex A (normative) Standard condition for linear joint seals with no mechanically induced movement of the joint faces .....</b>		<b>28</b>
A.1	Standard condition .....	28
A.2	Test procedure .....	28
<b>Annex B (normative) Standard condition for linear joint seals with mechanically induced movement of the joint faces .....</b>		<b>29</b>
B.1	General .....	29
B.2	Standard condition(s) .....	29
B.2.1	Standard conditions for lateral movement .....	29
B.2.2	Standard condition for shear movement .....	30
B.3	Conditions for other movements .....	30
<b>Annex C (informative) Guidance on the use of this European Standard .....</b>		<b>33</b>
C.1	General .....	33
C.2	Application of the test .....	33
C.3	Test conditions .....	33
C.4	Specimen preparation .....	34
C.5	Notes on general performance criteria .....	34
C.6	Notes on validity of test results .....	34
C.7	Notes on Annex B .....	34