

# DIN EN 15269-20:2021-03 (E)

Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 20: Smoke control for doors, shutters, operable fabric curtains and openable windows

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		5
1	Scope .....	6
2	Normative references .....	7
3	Terms and definitions .....	8
4	Determination of the field of extended application .....	9
4.1	General .....	9
4.2	Procedure for evaluation .....	9
4.3	Procedure for maximum field of extended application .....	10
4.4	Interpretation of test results .....	10
5	Extended application report .....	11
6	Classification report .....	11
Annex A (normative) Construction parameter variations .....		12
Annex B (normative) Arrangements for hinged and pivoted doorsets incorporating side and/or overpanels .....		176
Annex C (normative) Calculation methods .....		183
Annex D (normative) Stress calculation method for metal rolling shutter and fabric curtain assemblies .....		185
Annex E (informative) Examples for stress calculations for load-bearing components of metal rolling shutter and fabric curtain assemblies .....		186
E.1	Barrel calculations .....	186
E.2	Barrel support bracket calculations .....	187
E.3	Axle calculations .....	189
E.4	Endplate calculations .....	190