

DIN EN 13084-6:2016-02 (E)

Free-standing chimneys - Part 6: Steel liners - Design and execution

Contents		Page
	European foreword	3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Material	6
4.1	General	6
4.2	Steels	6
5	General design requirements	6
5.1	General	6
5.2	Liner	6
5.3	Liner details	6
5.3.1	Supports and/or guides	6
5.3.2	Openings	7
5.3.3	Drainage system	7
5.3.4	Seals, gaskets and jointing compounds	7
5.3.5	Expansion joints	7
5.3.6	Chimney cap	7
5.3.7	Insulation	7
5.3.8	Cladding	8
5.3.9	Internal protection	8
5.3.10	Lightning protection	8
5.4	Gas tightness	8
5.5	Temperature classes	9
6	Structural design	9
6.1	Actions	9
6.1.1	General	9
6.1.2	Permanent action	9
6.1.3	Wind actions	10
6.1.4	Thermal actions	10
6.1.5	Internal pressure at design conditions	11
6.2	Verification	12
6.2.1	General	12
6.2.2	Mechanical characteristics	12
6.3	Openings in the liner	12
7	Construction	12
7.1	Tolerances	12
7.2	Surface protection against chemical attack	12
	Annex A (informative) Calculation method for combined flue gases with different temperatures	13
	Bibliography	16