



## EN 1856-2:2009 - Table ZA.1b – Scope and relevant requirement clauses for flexible products

Product: Flexible metal flue liners and fittings as covered in Clause1, except terminals and supports. Intended use: Conveying smoke from appliance to outside atmosphere.			
Essential characteristics	Requirement clauses in this document(s)	Levels and/ or classes	Notes
Compressive strength	6.1.2.2 Compressive strength of fittings and supports	None	N. A.
Resistance to fire	6.2 Resistance to fire 6.2.3 Flexible flue liners and fittings	G	- Manufacturers declaration - DiBt Z-7.4-3272(3/4)
Gas tightness/leakage	6.3 Gas tightness	Pressure class N1 / P1	- DiBt Z-7.4-3272(3/4)
Flow resistance	6.4.6 Flow resistance 6.4.6.2 Flexible flue liners and fittings	To EN13384-1:2002, R=1mm Table B.4	- Normative data
Thermal resistance	6.4.3 Thermal resistance	NPD	N. A.
Thermal-shock resistance	6.4.1 Thermal performance at normal operating conditions	NPD	N. A.
Mechanical resistance	6.1 Mechanical resistance and stability		
	6.1.2 Flexible flue liners and fittings and supports		
	6.1.2.2 Compressive strength of fittings and supports		
	6.1.2.3 Tensile strength	<Ø110 - 15 meter >Ø110 - 20 meter	- Manufactures declaration
	6.1.2.4 Crushing strength	> 100Kg	- Manufactures declaration
	6.1.2.5 Flexibility	45° with max. 2 curves	- Gastec certification
Durability of gas-tightness	6.1.2.6 Torsion strength	EN1856-2	- Manufactures declaration
	6.1.2.7 Pulling force	< 1kN	- Gastec certification
Durability of gas-tightness	6.3 Gas tightness	Pressure class N1 / P1	- Manufactures declaration - DiBt Z-7.4-3272(3/4)
Durability of compressive strength	6.1.2.2 Compressive strength of fittings and supports	NPD	N.A.
Durability against chemicals	6.4.4 Water vapour diffusion resistance	NPD	N.A.
	6.4.5 Condensate penetration resistance	T200 – W	DiBt Z-7.4-3272(3/4)
Durability against corrosion	6.7.1 Durability against corrosion Annex A of EN1856-1:2009	316L - Vm-L50	- EN1856-2 Table 2 - material spec
Freeze thaw	6.5.2 Freeze thaw resistance	YES	- EN1856-2

**Construction Products Regulation EU N° 305/2011**  
**EU Construction Product Directive – 89/106/EEC**