® **TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**
Technical and Test Institute for Construction Prague, SOE
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Certificate No. 1020-CPR-070038635, Annex No. 8

Technical description of the product
Metal flexible flue liners type STALFLEX

Nominal diameter of flexible flue liner [mm]	80	100	110	120	130	140	150	180	200	250	300
Grade of material	1.4404, 1.4301 (1.4307), 1.4521										
Thickness of flexible flue liner [mm]	0,09; 0,10; 0,12										
Area of flexible flue liner intersection [cm^2]	50	78	98	117	135	152	179	254	317	494	706
Purpose	Drain of combustion products of gas and oil										
Pressure level	Negative pressure, Pressure level: N2										
Max. temperature of exhaust gases (Temperature class)	250°C (T250)										
Condensate resistance *)	working dry - D, working wet – W										
Distance to combustible material	min. 500 mm										
Corrosion resistance	Vm (for grade 1.4521: V1, V2, V3)										
Sootfire resistance	O – not resistant										
Minimum bending radius	2D (D – diameter of flue liner)										
Maximum torque [Nm]	< 50										
Maximum tensile load [kN]	1,0										

*) - in CR established by national regulation – CSN 73 4201, Annex A

All chimney sections and fittings of Metal flexible flue liners type STALFLEX (made by KOMIN-FLEX) should be designated in accordance with the following designation system:

EN 1856-2 T250 N2 W Vm L50xxx O500

Standard number
Temperature level (°C)
Pressure level (negative pressure)
Condensate resistance (D: dry, W: wet)
Corrosion resistance (Vm – dec. of material type, V1, V2, V3 – tests)
Flue liner material specification (L50 - steel 1.4404, thickness of flue liner .0,XX mm)
Sootfire resistance (O: not resistant), distance to combustible material: min.500

The stamp of the Notified Body 1020

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. Oznámený subjekt ZÚS 1020

Ostrava, 2 June 2025

Ing. Vladimír Plaček, Ph.D.
Deputy manager of the Notified Body