



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

Ostrava, 2 June 2025



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