



TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague, SOE

Akreditované laboratoře, Autorizovaná osoba, Oznámený subjekt, Subjekt pro technické posuzování, Certifikační orgány,
Inspekční orgán / Accredited Laboratories, Authorized Body, Notified Body, Technical Assessment Body, Certification Bodies,
Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Certificate No. 1020-CPR-070038635, Annex No. 4

Technical description of the product

Metal insulated negative pressure chimneys type SLIM-EKO

Nominal diameter of flue liner [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Thickness of insulation	30 mm																
Grade of material	1.4301 (1.4307), 1.4404, 1.4521																
Thickness of material	from 0,40 to 1,00 mm																
Area of flue liner intersection [cm ²]	50	78	98	117	135	152	179	203	254	317	399	494	706	968	1262	1597	1970
Maximum load [N/mb]	70,0	74,0	78,6	85,5	90,6	93,0	100,6	103,5	118,3	120,2	134,1	151,0	176,3	194,8	226,6	243,5	277,0
Purpose	Drain of combustion products of gas, oil and energy solid fuels, wood, pellets																
Pressure level	Negative pressure, Pressure level: N1																
Max. temperature of exhaust gases (Temperature class)	450°C (T450)																
Condensate resist. *)	working wet - W																
Distance to combustible material	min. 100 mm																
Thermal resistance	0,4 m ² K/W																
Corrosion resistance	Vm																
Sootfire resistance	G – proof																
Medium height of chimney	14 m																

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

All chimney sections and fittings of Metal insulated negative pressure chimneys type SLIM-EKO (made by KOMIN-FLEX) should be designated in accordance with the following designation system:

EN 1856-1 T450 N1 W Vm L50080 G100

Standard number

Temperature level (°C)

Pressure level (negative pressure)

Condensate resistance (W: wet)

Corrosion resistance (Vm – dec. of material type)

Flue liner material specification (L50 – steel 1.4404, thickness of flue liner .0,80 mm)

Sootfire resistance (G: resistant), distance to combustible material: min.100

The stamp of the Notified Body 1020

Ostrava, 2 June 2025



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