

Declaration of Conformity

SCHIEDEL

NERTECH

Requirements on Metal Chimneys

Part 1 Products for System Chimneys according to EN 1856-1



Manufacturer identification

Schiedel NERTECH s.r.o.
Modlanská 1
415 02 Teplice 1
CZ

Product description (trade name)

PERMETER 25 Painted

Name and function of responsible person:

Dr. Wolfgang Marka, CEO

Certification Body:

TÜV Industrie Service GmbH TÜV Süd Gruppe
Ridlerstraße 65
D-80339 München

Certification nr. / year

0036 CPD 91236 010

Designation of accompanying documents according to EN 1856 – 1 Annex ZA figure ZA 2

0.1	Metal system chimney	EN 1856-1	T450	N1	W	V2-L50050	G75	Double wall chimney with 25mm insulation for applications inside a building, inside a combustible shaft; fire stops in the ceiling, where the appliance is situated, open to the roof; dry and condensing flue gas, negative pressure, painted.
0.2	Metal system chimney	EN 1856-1	T450	N1	D	V3-L50050	G75	Double wall chimney with 25mm insulation for applications inside a building, inside a combustible shaft; fire stops in the ceiling, where the appliance is situated, open to the roof; dry flue gas, negative pressure, painted.
0.3	Metal system chimney	EN 1856-1	T450	N1	W	V2-L50050	G50	Double wall chimney with 25mm insulation for applications inside/outside a building inside a non-combustible and ventilated shaft or outside a shaft; fire stops outside a shaft in the ceilings; dry and condensing flue gas, negative pressure, painted.
0.4	Metal system chimney	EN 1856-1	T450	N1	D	V3-L50050	G50	Double wall chimney with 25mm insulation for applications inside/outside a building inside a non-combustible and ventilated shaft or outside a shaft; fire stops outside a shaft in the ceilings; dry flue gas, negative pressure, painted.
0.5	Metal system chimney	EN 1856-1	T200	P1	W	V2-L50050	O00	Double wall chimney with 25mm insulation for applications inside/outside a building outside a shaft; fire stops in the ceilings; dry and condensing flue gas, negative and positive pressure; with elastomeric seals to EN 14241-1, painted.

Product Description	
Standard Number	
Temperature Class	
Pressure Class (N: Negative / P: Pressure / H: High Pressure)	
Condensate Resistance (W: wet or D: dry)	
Corrosion Resistance (according test)	
Liner material description	
Soot Fire Resistance G: yes / O: no at distance to combustible material (in mm)	

<p>Section of metal system chimney</p> <p>Compression strength Max. load: see table installation heights</p> <p>Flow resistance Medium roughness: 1 mm</p> <p>Thermal resistance ≥ TR37</p> <p>Lateral Tensile strength: NPD Slope installation: Max. distance between supports: NPD</p> <p>Wind load resistance Max. freestanding end: DN ≤ 400 mm 3,0 m above last support DN ≥ 450 mm 2,0 m above last support</p> <p>Max. distance between supports: DN ≤ 400 mm 4,0 m DN ≥ 450 mm 3,0 m</p> <p>Freeze thaw resistance Yes</p>
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Declaration of Conformity and Product Description

1.0	Dimensions (Nominal diameters)	80, 100, 130, 150, 180, 200, 230, 250, 300, 350, 400, 450, 500, 550, 600, & 700	Manufacturer's declaration	See Annex A
2.0	Inner liner material (quality, thickness)	DN 80-400 nominal thickness 0.5 mm (minimum thickness 0.47 mm) DN450-700 nominal thickness 0.6mm (minimum thickness 0.55mm)	Manufacturer's declaration Material to EN 10088:2005	
3.0	Outer liner material (quality, thickness)	AISI 304 BA (1.4301) Nominal thickness 0.6mm (minimum thickness 0.55mm)	Manufacturer's declaration Material to EN 10088:2005	
	Outer liner material alternative (quality, thickness)	DX51DZ200MAC Nominal thickness 0.6mm (minimum thickness 0.55mm)	Manufacturer's declaration Material to EN 10142	
4.0	Insulation	Superwool 607 density 128 kg/m ³ , thickness 25 mm, thermal conductivity W/mK, composition, see document No1	Manufacturer's declaration, MPA Karlsruhe, report Nr977064	
	Insulation alternative	Lapinus 702 – Roxul 1000 density 2,75 ± 0,15% g/cm ³ , granulated mineral fibre composition, see document No2	Manufacturer's declaration	
5.0	Elastomeric Seals 200 Pa	Wet Seal Ring to EN 14241-1 Gas:- R75065 / ITKS65N00E Oil:- ITKV70N02E	Manufacturer's declaration, TÜV	Dimensions see annex B
6.0	Pipes and fitting	All components in product catalogues	Manufacturer's declaration	See annex C
7.1	Intended use	All gaseous, liquid and solid fuel inside building inside shaft condensing	National regulations for use have to be applied	
7.2	Intended use	All gaseous, liquid and solid fuel inside building inside shaft dry	National regulations for use have to be applied	
7.3	Intended use	All gaseous, liquid and solid fuel inside or outside building outside shaft condensing	National regulations for use have to be applied	
7.4	Intended use	All gaseous, liquid and solid fuel inside or outside building outside shaft, dry	National regulations for use have to be applied	
7.5	Intended use	gas, domestic heating oil inside or outside building. outside shaft, condensing, positive pressure	National regulations for use have to be applied	
8.0	Compression strength of T - Piece	DN 80 - ≤ 2.12 kN DN 300 - ≤ 2.25 kN DN 700 - ≤ 1.25 kN	MPA Report 31 1027 496 TÜV Test Report Numbers:- A 1399-00/05 A 1400-00/05 A 1400-01/06	
8.1	Compression strength of supports	NPD	Manufacturer's declaration	Evaluation necessary
9.0	Tensile strength	NPD		

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10.0	Windload resistance	Up to DN 400 ≤ 3 m above last support ≤ 4 m between supports From DN 450 ≤ 2 m above last support ≤ 3 m between supports	TÜV Test Report Numbers:- A 1399-00/05 A 1400-00/05 A 1400-01/06	
11.0	Non vertical installation, angle	NPD		
12.0	Non vertical installation, distance	NPD		
13.1	Gas tightness	N1	TÜV Test Report Number A 1399-00/05	All diameters See annex D
13.2	Gas tightness	N1	TÜV Test Report Number A 1399-00/05	All diameters See annex D
13.3	Gas tightness	N1	TÜV Test Report Number A 1399-00/05	All diameters See annex D
13.4	Gas tightness	N1	TÜV Test Report Number A 1399-00/05	All diameters See annex D
13.5	Gas tightness	P1	TÜV Test Report Number A 1400-00/05 Manufacturers Declaration	All diameters
14.1	Distance to combustible	75 mm inside shaft with fire Stops + open gap at the roof	TÜV Test Report Number A 1399-00/05	
14.2	Distance to combustible	75 mm inside shaft with fire Stops + open gap at the roof	TÜV Test Report Number A 1399-00/05	
14.3	Distance to combustible	50 mm outside shaft with /without fire stops	TÜV Test Report Number A 1399-00/05	
14.4	Distance to combustible	50 mm outside shaft with /without fire stops	TÜV Test Report Number A 1399-00/05	
14.5	Distance to combustible	0 mm outside shaft with /without fire stops	TÜV Test Report Number A 1400-01/06	
15.1	Accidental human contact	Shield to accidental human contact where appropriate	Manufacturer's declaration	See annex E
15.2	Accidental human contact	Shield to accidental human contact where appropriate	Manufacturer's declaration	See annex E
15.3	Accidental human contact	Shield to accidental human contact where appropriate	Manufacturer's declaration	See annex E
15.4	Accidental human contact	Shield to accidental human contact where appropriate	Manufacturer's declaration	See annex E
15.5	Accidental human contact	Maximum temperature < 70° contact where appropriate	TÜV Test Report Number A 1400-00/05	See annex E
16.0	Thermal resistance	≥ TR37	TÜV Test Report Number A 1399-00/05	

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17.1	Condensate resistance and vapour resistance	W	TÜV Test Report Number A 1399-00/05	
17.2	Condensate resistance and vapour resistance	NPD	Designation D	
17.3	Condensate resistance and vapour resistance	W	TÜV Test Report Number A 1399-00/05	
17.4	Condensate resistance and vapour resistance	NPD	Designation D	
17.5	Condensate resistance and vapour resistance	W	TÜV Test Report Number A 1400-00/05	
18.0	Resistance to rain from outside	Proved	TÜV Test Report Number A 1399-00/05	Including inspection opening
19.0	Flow resistance for section	R = 1 mm according to EN 13384-1	Normative	
20.0	Flow resistance for fittings	Table xx of EN 13384-1	Normative	
21.0	Flow resistance of terminal	Table xx of EN 13384-1	Normative	
22.0	Resistance to rain for the terminal	NPD		
23.0	Aerodynamic behaviour for terminals	NPD		
24.1	Corrosion resistance	V2	TÜV Test Report Number A 1399-00/05	
24.2	Corrosion resistance	V3	Test Report MPA NRW 31 1027 4 96 Date: 02/07/1996	
24.3	Corrosion resistance	V2	TÜV Test Report Number A 1399-00/05	
24.4	Corrosion resistance	V3	Test Report MPA NRW 31 1027 4 96 Date: 02/07/1996	
24.5	Corrosion resistance	V2	TÜV Test Report Number A 1400-00/05	
25.0	Freeze thaw resistance	Proved according to EN 1856-1	Normative	
26.0	Dangerous substances	None	Manufacturer's declaration	
27.0	Installation		See installation, operation and maintenance manual.	

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