

Declaration of Performance

No. 034/a-DOP-2018-06-04

1. Unique identification code of the product-type: **Multi-wall Metal System Chimney (with 316L Liner)**
PERMETER SMOOTH AIR
2. Intended use: **Convey the products of combustion from heating appliances to the outside atmosphere**
3. Product designations:

Designation 1	DN (120 – 200)	T400 – N1 – D – V3 – L50050 – G75
Designation 2	DN (120 – 200)	T450 – N1 – D – V3 – L50050 – G75
Designation 3	DN (120 – 200)	T600 – N1 – D – V3 – L50050 – G75
Designation 4	DN (120 – 200)	T400 – N1 – D – V3 – L50050 – G50*
Designation 5	DN (120 – 200)	T450 – N1 – D – V3 – L50050 – G50*
Designation 6	DN (120 – 200)	T600 – N1 – D – V3 – L50050 – G50*
Designation 7	DN (150)	T600 – N1 – D – V3 – L50050 – G75*

*with double insulation
4. Manufacturer: **Schiedel s.r.o., Horoušanská 286, CZ-250 81 Nehvizdy**
5. Authorized representative: **N/A**
6. System(s) of AVCP: **System 2+ (and System 4 for terminals)**
7. Harmonized standard: **EN 1856-1:2009**
- Notified body: **0036**

8. Declared performance:

Essential characteristics	Performance	Harmonized technical specification
Compressive strength Chimney sections, fittings and supports	Designation(s) 1 to 7: DN (120): 22 m DN (150 - 200): 18 m For further information see installation instructions	EN 1856-1: 2009
Resistance to fire	<p><u>Designation 1:</u> DN (120 – 200): T400 G75 *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p><u>Designation 2:</u> DN (120 – 200): T450 G75 *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p><u>Designation 3:</u> DN (120 – 200): T600 G75 *Tested fully ventilated.</p> <p><u>Designation 4:</u> DN (120 – 200): T400 G50 *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p><u>Designation 5:</u> DN (120 – 200): T450 G50 *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p><u>Designation 6:</u> DN (120 – 200): T600 G50 *Tested ventilated with closed and insulated floor trespass, height ≤600 mm.</p> <p><u>Designation 7:</u> DN (150): T600 G75 *Tested with closed and insulated floor trespass in height ≤600 mm.</p>	EN 1856-1: 2009
Gas tightness /leakage	Designation(s) 1 to 7: DN (120 – 200): N1	EN 1856-1: 2009
Flow resistance of chimney sections	Designation(s) 1 to 7: DN (120 – 200): 1,0 mm	EN 1856-1: 2009
Flow resistance of chimney fittings	Zeta = 0.3 according EN 13384-1	EN 13384-1: 2015
Flow resistance of terminals	Zeta = 0.5 according EN 13384-1	
Thermal resistance	Designation(s) 1, 2 & 3: DN (120 – 200): 0.37 m²K/W tested at 200°C Designation(s) 4, 5, 6 & 7: DN (120 – 200): 0.54 m²K/W tested at 200°C	EN 1856-1: 2009

Essential characteristics	Performance	Harmonized technical specification
Thermal shock resistance Sootfire Resistance:	Designation(s) 1 to 7: DN (120 – 200): Yes	EN 1856-1: 2009
Thermal performance under normal operating conditions:	Designation(s) 1 & 4: DN (120 – 200): T400 Designation(s) 2 & 5: DN (120 – 200): T450 Designation(s) 3, 6 & 7: DN (120 – 200): T600	EN 1856-1: 2009
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Designation(s) 1 to 7: DN (120 – 200): NPD	EN 1856-1: 2009
Non vertical installation	Designation(s) 1 to 7: DN (120 – 200): NPD	EN 1856-1: 2009
Components subject to wind load	Designation(s) 1 to 7: DN (120 – 200): NPD	EN 1856-1: 2009
Durability Water and vapour diffusion resistance Condensate penetration resistance Against corrosion Freeze thaw resistance	Designation(s) 1 to 7: DN (120 – 200): No Designation(s) 1 to 7: DN (120 – 200): No Designation(s) 1 to 7: DN (120 – 200): V3 Designation(s) 1 to 7: DN (120 – 200): Yes	EN 1856-1: 2009

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Teplice, 04.06.2018

Ivana Černa,
Plant manager