

Declaration of performance

Nr. 101-DoP-2024-2-14



1. Unique identification code of the product type: Twin walled stainless steel system with insulation according to EN 1856-1:2009 **AD**
2. Intended use: Convey the products of combustion from heating appliances to the outside atmosphere
3. Product designations:

Model 1	DN (130-300)	T600 H1 D V2 L50050 O50
	DN (350- 450)	T600 H1 D V2 L50050 O75
	DN (500-600)	T600 H1 D V2 L50060 O100
	DN (700)	T600 H1 D V2 L50060 O200
	DN (800-1000)	T600 H1 D V2 L50080 O200
Model 2	DN (130-300)	T600 N1 D V2 L50050 G50
	DN (350- 450)	T600 N1 D V2 L50050 G75
	DN (500-600)	T600 N1 D V2 L50060 G100
	DN (700)	T600 N1 D V2 L50060 G200
	DN (800-1000)	T600 N1 D V2 L50080 G200
4. Manufacturer: Schiedel B.V.
Oude Veerseweg 23
4332 SH Middelburg
The Netherlands
5. Authorised representative: N/A
6. System(s) of AVCP: System 2+ en System 4
7. Harmonized standard: EN 1856-1:2009
Notified body: 0036

8. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Compressive strength	Model 1 to 2 DN (130-300): 30 meter DN (350-450): 14 meter DN (500-600): 12 meter DN (700-1000): 9 meter	EN 1856-1:2009
Chimney sections, fittings and supports	Supports no performance determined for futher information see www.schiedel.com	
Resistance to fire	Model 1 DN (130-300) T600 O50 DN (350-450) T600 O75 DN (500-600): T600 O100 DN (700-1000): T600 O200 Model 2 DN (130-300) T600 G50 DN (350- 400) T600 G75 DN (500-600): T600 G100 DN (700-1000): T600 G200 Tested without terminal and with ventilated ceiling leadthrough	EN 1856-1:2009
Gas tightness/leakage	Model 1 DN (130-1000): H1 Model 2 DN (130-1000): N1	EN 1856-1:2009
Flow resistance of chimney sections and fittings	Elbows: 15°:0.2, 35°:0.3, 45°:0.4, 90°:0.5. T-piece: 90°:1.2.	EN 13384-1: 2014
Thermal resistance	Model 1 to 2: 0.51 m² K/W tested at 200°C.	EN 1856-1:2009

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Thermal shock resistance	Model 1: No Model 2: Yes	EN 1856-1:2009
Thermal performance under normal operating conditions	Model 1: T600 Model 2: T600	EN 1856-1:2009
Tensile strength	Model 1 & 2:	
- Flexural strength of joints	DN (130-600): 5 m DN (700-1000): No value determined	
- Non vertical installation	3 m between 2 supports DN (130-600) Free-standing height 3m	EN 1856-1:2009
- Wind load	Max distance between lateral supports 4 m DN(700-1000): Free-standing height 1.5 m Max distance between lateral supports 4 m	
Sustainability		
Water and vapor diffusion resistance	Model 1 & 2: No	EN 1856-1:2009
Condensate penetration resistance	Model 1 & 2: No	
Resistance against corrosion	Yes, V2	EN 1856-1:2009
Freeze thaw resistance	Model 1 to 2: Yes	EN 1856-1:2009

The performance of the product identified above is in accordance with the range of declared performance. 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:

Middelburg 14-2-2024
Drs. Simon J. Ramaekers CEO Schiedel Benelux