

Declaration of performance

Nr. 102-DoP-2024-2-14



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

| | | | |
|--|---------|---------------|----------------------------|
| | Model 1 | DN (130-300) | T600 H1 D V2 L50050 O50 M |
| | | DN (350- 450) | T600 H1 D V2 L50050 O75 M |
| | | DN (500-600) | T600 H1 D V2 L50060 O100 M |
| | | DN (700) | T600 H1 D V2 L50060 O200 M |
| | | DN (800-1000) | T600 H1 D V2 L50080 O200 M |
| | Model 2 | DN (130-300) | T600 N1 D V2 L50050 G50 M |
| | | DN (350- 450) | T600 N1 D V2 L50050 G75 M |
| | | DN (500-600) | T600 N1 D V2 L50060 G100 M |
| | | DN (700) | T600 N1 D V2 L50060 G200 M |
| | | DN (800-1000) | T600 N1 D V2 L50080 G200 M |
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 1856-2:2009
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 1856-2:2009 |
| Chimney sections, fittings and supports | Supports no performance determined for further information see www.schiedel.com | |
| Resistance to fire | Model 1 DN (130-300): T600 O50 M DN (350-450): T600 O75 M DN (500-600): T600 O100 M DN (700-1000): T600 O200 M Model 2 DN (130-300): T600 G50 M DN (350- 400): T600 G75 M DN (500-600): T600 G100 M DN (700-1000): T600 G200 M Tested without terminal and with ventilated ceiling leadthrough | EN 1856-2:2009 |
| Gas tightness/leakage | Model 1 DN (130-1000): H1 Model 2 DN (130-1000): N1 | EN 1856-2:2009 |
| 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 1856-2:2009 |

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

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