

# Declaration of performance

Nr. 106-DoP-2024-2-1



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

|         |                               |  |
|---------|-------------------------------|--|
| Model 1 | DN (130-300)<br>DN (350- 400) | T400 N1 D V3 L50040 G50 M<br>T400 N1 D V3 L50050 G75 M |
| Model 2 | DN (130-300)<br>DN (350- 400) | T600 N1 D V3 L50040 G50 M<br>T600 N1 D V3 L50050 G75 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<br>DN (130-150): 30 meter<br>DN (180): 25 meter<br>DN (200-250): 20 meter<br>DN (300): 17 meter<br>DN (350-400): 14 meter  | EN 1856-2:2009                     |
| Chimney sections, fittings and supports               | Supports no performance determined for further information see <a href="http://www.schiedel.com">www.schiedel.com</a>   |                                    |
| Resistance to fire                                    | Model 1 DN (130-300) T400 G50<br>DN (350- 400) T400 G75<br><br>Model 2 DN (130-300) T600 G50<br>DN (350- 400) T600 G75<br><br>Tested without terminal and with ventilated ceiling leadthrough | EN 1856-2:2009                     |
| Gas tightness/leakage                                 | Model 1 to 2 DN (130-400): 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.<br>T-piece: 90°:1.2.  | EN 13384-1: 2014                   |
| Thermal resistance                                    | Model 1 to 2: 0.47 m² K/W tested at 200°C.  | EN 1856-2:2009                     |
| Thermal shock resistance                              | Model 1 to 2: Yes   | EN 1856-2:2009                     |
| Thermal performance under normal operating conditions | Model 1: T400<br>Model 2: T600  | EN 1856-2:2009                     |
| Tensile strength                                      | Model 1 to 2:   |                                    |
| - Flexural strength of joints                         | 5 m   |                                    |
| - Non vertical installation                           | 3 m between 2 supports  | EN 1856-2:2009                     |
| - Wind load   | Free-standing height 3m in combination with a static locking band   |                                    |

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|                                      |                   |                |
|--------------------------------------|-------------------|----------------|
| Sustainability                       |                   |                |
| Water and vapor diffusion resistance | Yes               | EN 1856-2:2009 |
| Condensate penetration resistance    | No                |                |
| Resistance against corrosion         | Yes, V3           | 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 1-2-2024

Drs. Simon J. Ramaekers CEO Schiedel Benelux

A large, stylized handwritten signature in blue ink, appearing to be "S. Ramaekers", written over the printed name.