

Declaration of performance

Nr. 109-DoP-2024-2-14



1. Unique identification code of the product type: Single wall stainless steel system according to EN 1856-2:2009
ME
2. Intended use: Convey the products of combustion from heating appliances to the chimney
3. Product designations:

| | | |
|---------|---|---|
| Model 1 | DN (80-200) DN (250-300) DN (350) | T200 - P1 - W - V2 - L50040 - O30 M T200 - P1 - W - V2 - L50050 - O30 M T200 - P1 - W - V2 - L50060 - O45 M |
| Model 2 | DN (80-200) DN (250-350) | T200 - P1 - W - V2 - L50040 - O T200 - P1 - W - V2 - L50050 - O |
| Model 3 | DN (80-200) DN (250-350) | T200 - H1 - W - V2 - L50040 - O30 M T200 - H1 - W - V2 - L50050 - O30 M |
| Model 4 | DN (80-200) DN (250-350) | T200 - H1 - W - V2 - L50040 - O T200 - H1 - W - V2 - L50050 - O |
| Model 5 | DN (80-200) DN (250-350) | T400 - N1 - W - V2 - L50040 - O100 M T400 - N1 - W - V2 - L50050 - O100 M |
| Model 6 | DN (80-200) DN (250-350) | T450 - N1 - D - V2 - L50040 - G T450 - N1 - D - V2 - L50050 - G |
| Model 7 | DN (80-200) DN (250-350) | T450 - N1 - D - V2 - L50040 - G400 M T450 - N1 - D - V2 - L50050 - G400 M |
| Model 8 | DN (80-200) DN (250-350) | T600 - N1 - D - V2 - L50040 - G T600 - N1 - D - V2 - L50050 - G |
| Model 9 | DN (80-200) DN (250-350) | T600 - N1 - D - V2 - L50040 - G400 M T600 - N1 - D - V2 - L50050 - G400 M |
4. Manufacturer: Schiedel B.V.
Oude Veerseweg 23
4332 SH Middelburg
Nederland
5. Authorised representative: N.v.t.
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 | Modellen 1 t/m 9: DN (80-300): 30 meter DN (350): 15 meter | EN 1856-2:2009 |
| Chimney sections, fittings and supports | Supports no performance determined for futher information see www.schiedel.com | |

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|---|--|---|------------------|----|----------------|
| Resistance to fire | Model 1 & 3 | DN (80-300):T200 O30 M DN (350): T200 O30 M | EN 1856-2:2009 | | |
| | Model 2 & 4 | DN (80-350) T200 O | | | |
| | Model 5 | DN (80-300):T400 O100 M DN (350): T400 O150 M | | | |
| | Model 6 | DN (80-350):T450 G | | | |
| | Model 7 | DN (80-300):T450 G400 M DN (350): T450 G600 M | | | |
| | Model 8 | DN (80-350):T600 G | | | |
| | Model 9 | DN (80-300):T600 G400 M DN (350): T600 G600 M Tested without terminal and with ventilated ceiling penetration | | | |
| | Gas tightness/leakage | Model 1 & 2 | | P1 | EN 1856-2:2009 |
| | | Model 3 & 4 | | H1 | |
| Model 5,6,7,8 & 9 | | N1 | | | |
| Flow resistance of chimney sections and fittings | bocht: 15°:0.2. 35°:0.3. 45°:0.4. 90°:0.5. T-stuk: 90°:1.2. | | EN 13384-1: 2014 | | |
| Thermal resistance | Model 1 t/m 9: 0.51 m² K/W getest op 200°C. | | EN 1856-2:2009 | | |
| Thermal shock resistance | Model 1 t/m 5: Nee | | EN 1856-2:2009 | | |
| | Model 6 t/m 9: Ja | | | | |
| Thermal performance under normal operating conditions | Model 1 t/m 4: T200 Model 5: T400 Model 6 & 7: T450 Model 8 & 9: T600 | | EN 1856-2:2009 | | |
| Tensile strength | Model 1 t/m 9: | | EN 1856-2:2009 | | |
| - Flexural strength of joints | DN (80-350) tot 10m | | | | |
| - Non vertical installation | 1,5m between 2 supports at 90° | | | | |
| - Wind load | Free-standing height 3m in combination with a static locking band | | | | |
| Sustainability | | | | | |
| Water and vapor diffusion resistance | Model 1 t/m 9: Yes | | EN 1856-2:2009 | | |
| Condensate penetration resistance | Model 1 t/m 5: Yes | | EN 1856-2:2009 | | |
| | Model 6 t/m 9: No | | | | |
| Resistance against corrosion | Model 1 t/m 9: V2 | | EN 1856-2:2009 | | |
| Freeze thaw resistance | Model 1 t/m 9: 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 305/2014 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

