|  |
| --- |
| Declaration of Performance |
| **No. 040-DOP-2024-03-25** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. | Unique identification code of the product-type: | **Double-wall connecting flue pipe**  **ICS 50, PERMETER 50** | | |
| 2. | Intended use: | **Convey the products of combustion from heating appliances to the chimney** | | |
| 3. | Product designations: | Model 1 | DN (80 – 300) | **T600 N1 D V2 L50050 G100 M** |
|  |  |  | DN (350 – 450) | **T600 N1 D V2 L50050 G150 M** |
|  |  |  | DN (500 – 600) | **T600 N1 D V2 L50050 G200 M** |
|  |  |  | DN (650 – 1200) | **T600 N1 D V2 L50050 G400 M** |
|  |  |  |  |  |
|  |  | Model 2 | DN (80 – 300) | **T600 N1 D V2 L99050 G100 M** |
|  |  |  | DN (350 – 450) | **T600 N1 D V2 L99050 G150 M** |
|  |  |  | DN (500 – 600) | **T600 N1 D V2 L99050 G200 M** |
|  |  |  | DN (650 – 1200) | **T600 N1 D V2 L99050 G400 M** |
|  |  |  |  |  |
|  |  | Model 3 | DN (80 – 300) | **T600 N1 D V2 L70050 G100 M** |
|  |  |  | DN (350 – 450) | **T600 N1 D V2 L70050 G150 M** |
|  |  |  | DN (500 – 600) | **T600 N1 D V2 L70050 G200 M** |
|  |  |  | DN (650 – 1200) | **T600 N1 D V2 L70050 G400 M** |
|  |  |  |  |  |
|  |  | L99 material = 1.4521 (444) | | |
| 4. | Manufacturer: | **Schiedel s.r.o.,**  **Horoušanská 286,**  **CZ-250 81 Nehvizdy** | | |
| 5. | Authorized representative: | **N/A** | | |
| 6. | System(s) of AVCP: | **System 2+** | | |
| 7. | Harmonized standard: | **EN 1856-2:2009** | | |
|  | Notified body: | **0036** | | |

8. Declared performance:

|  |  |  |
| --- | --- | --- |
| **Essential characteristics** | **Performance** | **Harmonized technical specification** |
| Compressive strength | Model(s) 1 to 3:  DN 80 = max. **2,12 kN**  DN 300 = max. **2,25 kN**  DN 700 = max. **1,25 kN** | EN 1856-2: 2009 |
| Resistance to fire | Model(s) 1 to 3:  DN (80 – 300): **G100 M**  DN (350 – 450): **G150 M**  DN (500 – 600): **G200 M**  DN (650 – 1200): **G400 M** | EN 1856-2: 2009 |
| Gas tightness/leakage | Model(s) 1 to 3:  DN (80 – 1200): **N1** | EN 1856-2: 2009 |
| Flow resistance of chimney sections | Model(s) 1 to 3:  DN (80 – 1200): **1,0 mm** | EN 1856-2: 2009 |
| Flow resistance of chimney fittings | According EN 13384-1 | EN 13384-1: 2014 |
| Thermal resistance | Model(s) 1 to 3:  DN (80 – 1200): **0.56 m2 K/W** tested at 200°C |  |
| Thermal shock resistance |  | EN 1856-2: 2009 |
| Sootfire Resistance: | Model(s) 1 to 3:  DN (80 – 1200): **Yes** |
| Thermal performance under normal operating conditions | Model(s) 1 to 3:  DN (80 – 1200): **T600** | EN 1856-2: 2009 |
| Flexural tensile Strength | Model(s) 1 to 3:  DN (80 – 1200): **NPD** | EN 1856-2: 2009 |
| Non-vertical installation | Model(s) 1 to 3:  DN (80 – 500): between supports ≤ 3 m at 90°  DN (550 - 1200): between supports ≤ 4 m at 90° | EN 1856-2: 2009 |
| Durability |  | EN 1856-2: 2009 |
| Water and vapour diffusion resistance | Model(s) 1 to 3:  DN (80 – 1200): **No** |
| Condensate penetration resistance | Model(s) 1 to 3:  DN (80 – 1200): **No** |
| Durability against corrosion | Model(s) 1 to 3:  DN (80 – 1200): **V2** |
| Freeze-thaw resistance | Model(s) 1 to 3:  DN (80 – 1200): **Yes** |

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, 25.03.2024 Ivana Černa,

Plant manager