



Declaration of Performance

Nr.: DE-01-003-CPR-2022-02-14

- 1. Identification code of the product-type:** Ceramic flue liners for multi wall chimneys operating under dry conditions according to EN 1457-1
- 2. Identification:** Schiedel Ceramic Flue Liner (rebated) A1N1 i (T600 N1)
- 3. Type of use:** Ceramic flue liners for soot fire resistant multi wall chimneys for the disposal of „dry“ combustion products from heating appliances to the outside.
- 4. Manufacturer:** Schiedel GmbH & Co.KG, Lerchenstraße 9, 80995 München
Phone: +49 (89) 35 40 90, Fax: +49 (89) 351 57 77, E-Mail: info@schiedel.com
- 5. Authorised representative:** Johannes Kaindlstorfer, General manager
- 6. System assessment:** System 2+
- 7. Notified body:** The notified body No. 1085 OFI Technologie & Innovation GmbH performed the initial inspection of the manufacturing plant Wiesau and of factory production control according 2+ and issued the certificate of conformity 1085-CPR-0235 of the factory production control.
- 8. Declaration ETB:** not applicable

9. Declared performance to ZA.1 of EN 1457-1:201

Essential characteristics	Performance	Initial inspection	Harmonized technical specification
8 Compressive strength (inner liners)	10 MN/m ²		EN 1457-1
8 Maximum height	≤ 42 m ¹		EN 1457-1
8 Compressive strength (Chimney fittings)	> 12,5m ≤ 25m minimum 50 kN		EN 1457-1
9.2.1 Soot fire resistance	Yes (G)		EN 1457-1
9.2.2 Gas tightness / Leakage	N1	²	EN 1457-1
10.1 Durability - acid resistance	≤ 5 %		EN 1457-1
10.2 Durability - Freeze thaw resistance	resistant		EN 1457-1
12 Abrasion resistance	≤ 0,03 kg/m ²		EN 1457-1
13 Flow resistance (mean roughness)	0,0015 m	³	EN 1457-1
14 Thermal resistance	0,00463 m ² K/W		EN 1457-1
ZA.1 Dangerous substances	None	⁴	EN 1457-1

¹ Without opening section, otherwise observe maximum height above the opening section.

² Certificate

³ According to EN 13384-1

⁴ As part of the EU chemicals regulation (REACH), the list „SVHC“ (as of 19.12.2012) of the European Chemicals Agency (ECHA) in Helsinki was published. In this product, are in the current list „SVCH“ mentioned substances not included.
Revision Nr. 0

Notes to the installation	Performance Each execution includes the lower classes	technical specification
Installation	With insulation (i) at least 20mm arranged around ceramic pipe	EN 1457-1
Processing	Mortar for jointing flue liners type SPK	EN 1457-1
Mode of operation	negative pressure A1N1 Test pressure: 40 Pa maximum Leakage rate: $2 \text{ m}^3 \cdot \text{s}^{-1} \cdot \text{m}^{-2} \times 10^{-3}$	EN 1457-1
	Soot fire resistant	
	Exhaust gas temperatures of heating appliances: $\leq 600^\circ\text{C}$	
Area of application	Gaseous (1), liquid (2) and solid (3) fuels for home fire places	EN 1457-1, EN 13063-1

The ceramic flue liners Nr.: DE-01-003-CPR-2022-02-14 meet the performance requirements of DIN EN 1457-1:2012-04 – Chimneys – ceramic flue liners – part 1: Flue liners operating under dry conditions – Requirements and test methods; German Version EN 1457-1:2012.

10. Declaration of performance: The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Johannes Kaindlstorfer,
General manager

Munich, 14-02-2022