

DECLARATION OF PERFORMANCE

DOP-B19-2020

1. Unique identification code of the product:

**Metal, rigid single wall connecting flue pipes and fittings
according to EN 1856-2:2009**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

type no.	trade name	DN [mm]	product labeling
19	RAUCHROHRE & BÖGEN 2MM SENOTHERM® UHT-HYDRO EINGEZOGEN CONNECTING FLUE PIPES 2MM SENOTHERM® UHT-HYDRO <i>(plug-in system tapered)</i>	115-200 (Nominal diameter)	T600 - N1 - D - Vm - L01200 - GXXX NM
			(XXX NM) = Distance to combustible building materials according to EN 15287-1:2010 / not measured
			EN 15287-1:2010 without radiation shield: 3 times the nominal diameter with a minimum of ≥ 375 mm
			EN 15287-1:2010 with radiation shield: $1^{1/2}$ times the nominal diameter with a minimum of ≥ 200 mm

CE marking with manufacturer identification, product name, nominal size and item number as print or label on cardboard of every single packed product or as label on every product not packed separately in cardboard.

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Convey the products of combustion from heating appliances to the chimney.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

 Der innovative Abgas- und Ofenrohrspezialist. Seit 1876.	Bertrams GmbH & Co KG
	Stelzhamergasse 4/7, 1030 Wien / Vienna
	ÖSTERREICH / AUSTRIA
	phone: +43 1 333 222 1
	e-mail: office@bertrams.co.at

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+

6. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Notified factory production control certification body No. 1085 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.



7. Declared performance:

RAUCHROHRE & BÖGEN SENOTHERM 2MM EINGEZOGEN			
CONNECTING FLUE PIPES 2MM SENOTHERM® tapered			
[Metal rigid single wall connecting flue pipes and fittings]			
Essential characteristics	Section with requirements according to EN1856-2:2009 / essential characteristics	Levels and/or classes	Performance / remarks
Dimensions	[Ø] [DN] [Nominal diameter] [> <] [Nominal wall thickness]	---	DN 115, 120, 130, 150, 160, 180, 200 mm 2,0 mm
Material	Base material Material surface outside (pipes/fittings) Material surface inside (pipes/fittings)	---	L01 (Construction steel) SENOTHERM® UHT-HYDRO coating water based - high-temperature consistent - free - smoke & odourless free Base material uncoated
Connecting of elements	[ZE] [cylindric, tapered] plug-in depth [mm]	---	plug-in system with one end tapered ≥ 48
Temperature class	resistance to thermal stress (thermal performance under normal operating conditions)	---	T600 (Exhaust temperature ≤600°C)
Fire resistance	6.2 Fire resistance 6.2.2 Rigid connecting flue pipes and fittings Class and distance to flammable building materials [mm]	G (xx)	(DN 115 - 200): GXXX NM without radiation shield * with radiation shield ** DN 115 ≥ 375 (G375 NM) DN 115 ≥ 200 (G200 NM) DN 120 ≥ 375 (G375 NM) DN 120 ≥ 200 (G200 NM) DN 130 ≥ 390 (G390 NM) DN 130 ≥ 200 (G200 NM) DN 150 ≥ 450 (G450 NM) DN 150 ≥ 225 (G225 NM) DN 160 ≥ 480 (G480 NM) DN 160 ≥ 240 (G240 NM) DN 180 ≥ 540 (G540 NM) DN 180 ≥ 270 (G270 NM) DN 200 ≥ 600 (G600 NM) DN 200 ≥ 300 (G300 NM) Type test with distance on all sides for ventilation
Gas proof / leakage	6.3 Gas proof	none	Pressure class N1 DN115-200 operating with depression
Consistency of gas proof	6.3 Gas proof	none	N1 (heating test under normal operating conditions) N1 (after soot fire resistance test)
Flow resistance	6.4.6 Flow resistance 6.4.6.1 Rigid connecting flue pipes and fittings	none	according to EN 13384-1:2015
Thermal resistance	6.4.3 Thermal resistance	none	0,00 m²K/W
Soot fire resistance	6.4.1 Thermal behavior under normal operating conditions 6.4.1.2 Rigid connecting flue pipes and fittings	none	(G) soot fire resistant connecting flue pipe For distance to flammable building materials see 6.2.2
Bending and tensile strenght	6.1 Mechanical strength and stability 6.1.1 Rigid connecting flue pipes and fittings	none	Rigid connecting flue pipes and fittings Tensile strenght: NPD Non vertical installation: Max. lenght between supports ≤ 1m (Bending strenght)
Consistency of bending strenght	6.1.1 Rigid connecting flue pipes and fittings	none	Only applies if the same diameter is used for all pipes and fittings.



Compressive strength	6.1.1 Rigid connecting flue pipes and fittings	none	Max. load corresponding to a length of 3m
Consistency of compressive strength	6.1.1 Rigid connecting flue pipes and fittings	none	Only applies if the same diameter is used for all pipes and fittings.
Resistance to chemicals	6.4.4 Water and vapor diffusion resistance 6.4.5 Condensate penetration resistance	none	no (D = dry operation) no (D = dry operation)
Resistance to corrosion	6.7.1 Resistance to corrosion EN 1856-1:2009, annex A	none	Vm L01200
Consistency between frost and thaw	6.5.2 Consistency between frost and thaw	none	yes
*EN 15287-1:2010 Distance to flammable building materials: 3 times the nominal diameter, minimum of ≥ 375 mm			
**EN 15287-1:2010 Distance to flammable building materials: $1^{1/2}$ times the nominal diameter, minimum of ≥ 200 mm			

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. The 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:

Hermine ROSEN, managing director



Hermine Rosen

Vienna, 13th March 2020

