

# Declaration of Performance



No. 91323 018 DoP 2019-11-21 · Declaration of Performance (DoP)

1. Unique identification code of the product type:

**Single wall connecting pipe type TEC-STAHl 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):

**Rigid, single wall connecting pipe type TEC-STAHl<sup>1)</sup>**

<b>Model 1</b>	<b>DN (115)</b>	<b>T600 – N1 – D – Vm – L01200 – G375NM<sup>2)</sup></b>
	<b>DN (120)</b>	<b>T600 – N1 – D – Vm – L01200 – G375NM<sup>2)</sup></b>
	<b>DN (130)</b>	<b>T600 – N1 – D – Vm – L01200 – G390NM<sup>2)</sup></b>
	<b>DN (150)</b>	<b>T600 – N1 – D – Vm – L01200 – G450NM<sup>2)</sup> (with radiation protection G400)</b>
	<b>DN (160)</b>	<b>T600 – N1 – D – Vm – L01200 – G480NM<sup>2)</sup> (with radiation protection G400)</b>
	<b>DN (180)</b>	<b>T600 – N1 – D – Vm – L01200 – G540NM<sup>2)</sup> (with radiation protection G400)</b>
	<b>DN (200)</b>	<b>T600 – N1 – D – Vm – L01200 – G600NM<sup>2)</sup> (with radiation protection G400)</b>
	<b>DN (250)</b>	<b>T600 – N1 – D – Vm – L01200 – G750NM<sup>2)</sup> (with radiation protection G400)</b>

<sup>1)</sup> Manufacturer product identification connecting pipe

<sup>2)</sup> Not Measured (NM) means 3 times the Nominal Diameter with a minimum of 375 mm

<sup>3)</sup> Measured (M)

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):

**TECNOVIS GmbH  
Lessingstr. 20  
DE-63110 Rodgau**

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

**Not applicable**

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

**System 2+**

7. 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. 0036 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 0036 CPR 91323 018 of the factory production control.**

8. Declared performance:



	ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONIZED TECHNICAL SPECIFICATION
8.1	Compressive strength	Model 1 DN (115- 250): <b>n.p.d.</b>	EN 1856-2:2009
8.2	Tensile strength	Model 1 DN (115- 250): <b>n.p.d.</b>	
8.3	Non vertical installation	Model 1 DN (115- 250): <b>Horizontal 2,5 m between two supports or fixations</b>	
8.4	Resistance to fire	(Resistance to fire from inside to outside) Model 1 DN (115): <b>G375 NM</b> Model 1 DN (120): <b>G375 NM</b> Model 1 DN (130): <b>G390 NM</b> Model 1 DN (150): <b>G450 NM</b> (with radiation protection distance: 400 mm) Model 1 DN (160): <b>G480 NM</b> (with radiation protection distance: 400 mm) Model 1 DN (180): <b>G540 NM</b> (with radiation protection distance: 400 mm) Model 1 DN (200): <b>G600 NM</b> (with radiation protection distance: 400 mm) Model 1 DN (250): <b>G750 NM</b> (with radiation protection distance: 400 mm)	EN 1856-2:2009
8.5	Gas tightness/ leakage	Model 1 DN (115- 250): <b>N1</b>	EN 1856-2:2009
8.6	Flow resistance of chimney sections and fittings	According to EN 13384-1	EN 1856-2:2009
8.7	Sootfire resistance	Model 1 DN (115- 250): <b>Yes</b> <sup>2)</sup> <sup>2)</sup> because designated G	EN 1856-2:2009
8.8	Thermal performance under normal operating conditions	Model 1 DN (115- 250): <b>T600*</b> *(Heating strain at nominal operating temperature)	
8.9	Durability: Water and vapour diffusion resistance	Model 1 DN (115- 250): <b>No</b>	EN 1856-2:2009
8.10	Condensate penetration resistance	Model 1 DN (115- 250): <b>No</b>	
8.11	Against corrosion	Model 1 DN (115- 250): <b>Vm</b>	
8.12	Freeze thaw resistance	Model 1 DN (115- 250): <b>Yes</b>	

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

Rodgau, 21<sup>st</sup> November 2019

.....  
Attila Kovacs CEO

# Product information



## “Chimneys – Requirements for metal chimneys - Part 2: Metal flue liners and connecting flue pipes” DIN EN 1856-2:2009

Manufacturer’s identification: **TECNOVIS GmbH**  
**Lessingstr. 20**  
**DE-63110 Rodgau**

Product trade name: **TEC-STAHL** (Single wall rigid connections)

Certification office: TÜV SÜD Industrie Service GmbH

Name and position of the responsible person: Attila Kovacs CEO

Identification of accompanying documentation

<b>Rigid connections</b>	<b>EN 1856-2</b>	<b>T600</b>	<b>N1</b>	<b>D</b>	<b>Vm-L01200</b>	<b>G375 NM</b>	<b>115</b>	Single wall connections, soot fire resistant, for connections of stoves / boilers for chimneys / flue systems, ventilated throughout the whole length.
						<b>G375 NM</b>	<b>120</b>	
						<b>G390 NM</b>	<b>130</b>	
						<b>G450 NM<sup>1</sup></b>	<b>150</b>	
						<b>G480 NM<sup>1</sup></b>	<b>160</b>	
						<b>G540 NM<sup>1</sup></b>	<b>180</b>	
						<b>G600 NM<sup>1</sup></b>	<b>200</b>	
						<b>G750 NM<sup>1</sup></b>	<b>250</b>	

Product description

Standard number

Temperature level

Pressure range level

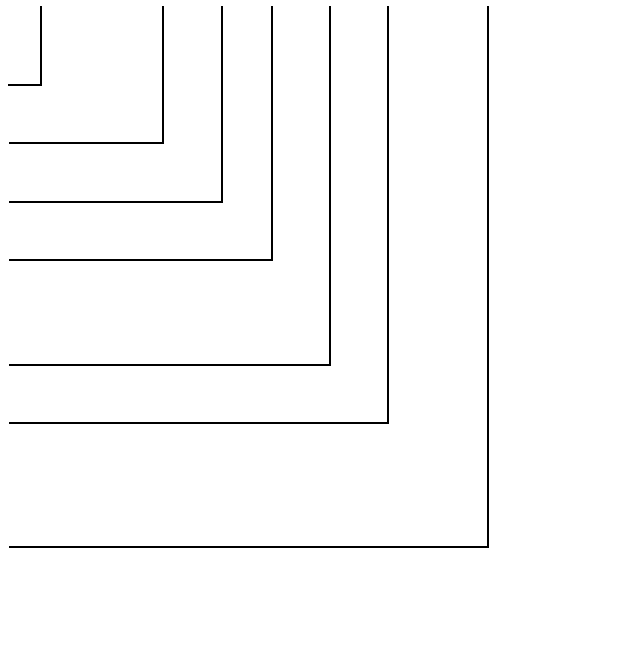
Condensate resistance  
(W: wet / D: dry)

Corrosion resistance

Flue liner material specification

Sootfire resistance and distance (in mm) to combustible material **without radiation protection**

Nominal diameter (Ø)  
in mm



Properties of a rigid metallic connection

**Compressive strength:**  
n.p.d.

**Flexural strength:**  
n.p.d.

**Flow resistance:**  
Average roughness: 1.0 mm,  
Zeta-values according to DIN EN 13384-1

**Thermal resistance:**  
0 m<sup>2</sup>K/W

**Sootfire resistance:**  
Yes

**Freeze-thaw resistance:**  
Yes

<sup>1</sup>With radiation protection, the distance to combustible materials can be established for all the Ø at 400mm.