

Declaration of Performance

No. 91323 028 DoP 2016-07-20 · Declaration of Performance (DoP)

1. Unique identification code of the product-type:
Rigid, single wall TEC-PELLET connecting pipe 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 TEC-PELLET connecting pipe without insulation¹⁾

Model 1	DN (60- 300)	T200 – N1 – D – V2 – L50040 – G400 M	(without coating)
Model 2	DN (60- 120)	T200 – N1 – D – V2 – L50040 – G375 NM	(with coating)
Model 2	DN (130)	T200 – N1 – D – V2 – L50040 – G390 NM	(with coating)
Model 2	DN (150)	T200 – N1 – D – V2 – L50040 – G450 NM	(with coating)
Model 3	DN (60- 300)	T200 – P1 – W – V2 – L50040 – O50 M	(without coating)

¹⁾ Manufacturer product identification connecting pipe

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

³⁾ Measured (M)

3. Intended use or uses of the construction product, in accordance with the applicable harmonised 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 authorised 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 028 of the factory production control.

8. Declared performance:

	ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONIZED TECHNICAL SPECIFICATION
8.1	Compressive strength	Model 1 to 3: up to 10 m	EN 1856-2:2009
8.2	Tensile strength	Model 1 to 3: n.p.d.	
8.3	Non vertical installation	Model 1 to 3: Horizontal 3 m between supports* *Please pay attention to the mounting instructions, an incline has to be arranged for where applicable	
8.4	Resistance to fire	Model 1 DN (60- 300): G400 M Model 2 DN (60- 120): G375 NM Model 2 DN (130): G390 NM Model 2 DN (150): G450 NM Model 3 DN (60- 300): O50 M	EN 1856-2:2009
8.5	Gas tightness/ leakage	Model 1 DN (60- 300): N1 Model 2 DN (60- 150): N1 Model 3 DN (60- 300): P1	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 (60- 300): Yes Model 2 DN (60- 150): Yes Model 3 DN (60- 300): No ²⁾ ²⁾ because designated O	EN 1856-2:2009
8.8	Thermal performance under normal operating conditions	Model 1 to 3: T200* *(Heating strain at nominal operating temperature)	
8.9	Durability: Water and vapour diffusion resistance	Model 1 DN (60- 300): No Model 2 DN (60- 150): No Model 3 DN (60- 300): Yes	EN 1856-2:2009
8.10	Condensate penetration resistance	Model 1 DN (60- 300): No Model 2 DN (60- 150): No Model 3 DN (60- 300): Yes	
8.11	Against corrosion	Model 1 to 3: V2	
8.12	Freeze thaw resistance	Model 1 to 3: Yes	

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, 20th July 2016



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Attila Kovacs CEO

“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-PELLET Verbindungsleitung**
 Certification office: **TÜV SÜD Industrie Service GmbH**

Name and position of the responsible person: **Attila Kovacs CEO**

Identification of accompanying documentation

Rigid TEC-PELLET connecting pipe	0.1	EN 1856-2	T200	N1	D	V2-L50040	G400M ¹	60 - 300	Single wall, sootfire resistant connecting pipe, composed of rigid pipes and elements, ventilated along the whole length, without covering. Locking band necessary. Operation mode in negative pressure. Surface without coating.
	0.2	EN 1856-2	T200	N1	D	V2-L50040	G375NM	60 - 120	Single wall, sootfire resistant connecting pipe, composed of rigid pipes and elements, ventilated along the whole length, without covering. Locking band necessary. Operation mode in negative pressure. Surface with coating.
	0.2	EN 1856-2	T200	N1	D	V2-L50040	G390NM	130	Single wall, sootfire resistant connecting pipe, composed of rigid pipes and elements, ventilated along the whole length, without covering. Locking band necessary. Operation mode in negative pressure. Surface with coating.
	0.2	EN 1856-2	T200	N1	D	V2-L50040	G450NM	150	Single wall, sootfire resistant connecting pipe, composed of rigid pipes and elements, ventilated along the whole length, without covering. Locking band necessary. Operation mode in negative pressure. Surface with coating.
	0.3	EN 1856-2	T200	P1	W	V2-L50040	O50M	60 - 300	Single wall, moisture resistant connecting pipe with gasket, composed of rigid pipes and elements, ventilated along the whole length, without covering. Locking band necessary. Operation mode in positive pressure up to 200 Pa. Surface without coating.

Product description	
Standard number	EN 1856-2
Temperature level	T200
Pressure level	N1
Condensate resistance (W: wet / D: dry)	D
Corrosion resistance	V2-L50040
Flue liner material specification	G400M ¹
Sootfire resistance (G: yes / O: no) and distance to combustible material (in mm) without radiation protection	60 - 300
M = tested distance	
NM = calculated distance	
Nominal diameter (∅) (inner tube) in mm	60 - 300

Rigid connecting pipe with metal

Compressive strength:
 >10 m over the modules and the connections of the elements

Flexural strength:
 Non vertical installation:
 ≤ 4 m between two brackets, supports or fixations

Flow resistance:
 Average roughness: 1,0 mm
 Zeta-values according to DIN EN 13384-1

Thermal resistance: 0 m²K/W

Sootfire resistance: Yes

Freeze-thaw resistance: Yes

Cleaning:
 The connecting pipe is only allowed to be cleaned with cleaning devices made of plastic or rust-resistant stainless steel.

¹With radiation protection the distance to combustible material can be defined at 300mm for all diameters!