

## Declaration of performance (DOP)

No. 9174 053 DOP 2013-06-17

1. Unique identification code of the product-type:

**Rigid metal connecting pipe type DW-ECO-TITAN-AL 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, double wall connecting pipe type DW-ECO-TITAN-AL with 25 mm heat insulation<sup>1)</sup>**

**Model 1            DN (80- 600) T200 – P1 – W – V2 – L99050 – O00 M<sup>3)</sup>**

**Model 2            DN (80- 600) T200 – N1 – W – V2 – L99050 – O00 M<sup>3)</sup>**

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

<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 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):

**Jeremias GmbH**

Opfenrieder Straße 11-14  
DE-91717 Wassertrüdingen

Tel.: +49 9832 68 68 0

Fax: +49 9832 68 68 68

Email: [info@jeremias.de](mailto:info@jeremias.de)

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 CPD 9174 053 of the factory production control.**

8. Declared performance:

	Essential Characteristics	Performance	Harmonized technical specification														
8.1	Compressive strength	Model 1 to 2 DN (80- 600): <b>up to 10 m</b>	EN 1856-2:2009														
8.2	Tensile strength	Model 1 DN (80- 300): <b>up to 9 m</b> Model 2 DN (>300- 600): <b>n.p.d.</b>															
8.3	Non vertical installation	Model 1 to 2 DN (80- 600): Horizontal <b>3 m between supports*</b> *Please pay attention to the mounting instructions, an incline, all incline has to be arranged for where applicable															
8.4	Resistance to fire	Model 1 to 2 DN (80- 600): <b>O00 M</b>	EN 1856-2:2009														
8.5	Gas tightness/ leakage	Model 1 DN (80- 600): <b>P1</b> Model 2 DN (80- 600): <b>N1</b>	EN 1856-2:2009														
8.6	Flow resistance of chimney sections and fittings	According to EN 13384-1 <table border="1" data-bbox="571 763 1177 1021"> <thead> <tr> <th>component:</th> <th>ζ (Zeta-value) single resistances</th> </tr> </thead> <tbody> <tr> <td>pipe tee 87°:</td> <td>1,14</td> </tr> <tr> <td>pipe tee 45°:</td> <td>0,35</td> </tr> <tr> <td>pipe bend 87°:</td> <td>0,40</td> </tr> <tr> <td>pipe bend 45°:</td> <td>0,28</td> </tr> <tr> <td>pipe bend 30°:</td> <td>0,20</td> </tr> <tr> <td>pipe bend 15°:</td> <td>0,10</td> </tr> </tbody> </table>	component:	ζ (Zeta-value) single resistances	pipe tee 87°:	1,14	pipe tee 45°:	0,35	pipe bend 87°:	0,40	pipe bend 45°:	0,28	pipe bend 30°:	0,20	pipe bend 15°:	0,10	EN 1856-2:2009
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8.7	Sootfire resistance	Model 1 to 2 DN (80- 600): <b>No</b> <sup>2)</sup> <sup>2)</sup> because designated O	EN 1856-2:2009														
8.8	Thermal performance under normal operating conditions	Model 1 to 2 DN (80- 600): <b>T200*</b> *(Heating strain at nominal operating temperature)															
8.9	Durability: Water and vapour diffusion resistance	Model 1 to 2 DN (80- 600): <b>Yes</b>	EN 1856-2:2009														
8.10	Condensate penetration resistance	Model 1 to 2 DN (80- 600): <b>Yes</b>															
8.11	Against corrosion	Model 1 to 2 DN (80- 600): <b>V2</b>															
8.12	Freeze thaw resistance	Model 1 to 2 DN (80- 600): <b>Yes</b>															
<p>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.</p> <p>Signed for and on behalf of the manufacturer by:</p> <p>Wassertrüdingen, 17<sup>th</sup> June 2013</p> <div style="text-align: right;">               .....  <b>Stefan Engelhardt CEO</b> </div>																	

## Product information

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

Manufacturer's identification:

**jeremias GmbH**  
**Opfenrieder Str. 11-14**  
**91717 Wassertrüdingen**  
Tel.: +49 (0) 9832 / 68 68-50  
Fax: +49 (0) 9832 / 68 68-68  
Internet: [www.jeremias.de](http://www.jeremias.de)  
E-Mail: [info@jeremias.de](mailto:info@jeremias.de)

Product trade name:

**DW-ECO-TITAN-AL connecting pipe**  
(rigid, double wall connecting pipe with 25mm insulation)

Certification office:

TÜV SÜD Industrie Service GmbH

Name and position of the responsible person:

**Stefan Engelhardt** CEO 

Identification of accompanying documentation

rigid double wall connecting pipe DW-ECO-TITAN-AL	0.1	EN 1856-2	T200	P1	W	V2-L99050	O00 M	80 - 600	Double wall, moisture resistant connecting pipe, composed of rigid pipes and elements, ventilated along the whole length, without covering, for wet and dry conditions (oil, gas). Operation mode in positive pressure up to 200 Pa.
	0.2	EN 1856-2	T200	N1	W	V2-L99050	O00 M	80 - 600	Double wall, moisture resistant connecting pipe, composed of rigid pipes and elements, ventilated along the whole length, without covering, for wet and dry conditions (oil, gas). Operation mode in negative pressure.

Product description	
Standard number	
Temperature level	
Pressure level	
Condensate resistance (W: wet / D: dry)	
Corrosion resistance	
Flue liner material specification	
Sootfire resistance (G: yes / O: no) and distance to combustible material (in mm) M = tested distance NM = calculated distance	
Nominal diameter (Ø) inner tube in mm	

Rigid connecting pipe of metal

**Compressive strength:**

>10 m over the modules and connections of the elements

**Flexural strength:**

No vertical installation: ≤ 3 m between two supports, fixations or brackets

**Coefficient for flow resistance:**

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

**Maximal distance between vertical supports:**

≤ 4 m between two supports

**Thermal resistance:**

> 0,26 m<sup>2</sup>K/W

**Sootfire resistance:**

No

**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.