

DECLARATION OF PERFORMANCE

N° 001 DOP 2013-07-01 DP6

1. Unique identification code of the product-type:
- Multi Wall Metal System Chimney**
EN 1856-1:2009
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of Regulation (EU) N° 305/2011:
- "DP 6" Double Wall Series**
(inner wall 1.4404 - outer wall 1.4301 - thk. 25 mm)
- | | | |
|---------------|-------------------------------------|-------------------------------------|
| Designation 1 | T600 N1 W V2 L50040 G50* | for inner diameters DN 80 ÷ 300 mm |
| Designation 1 | T600 N1 W V2 L50050 G50* | for inner diameters DN 80 ÷ 300 mm |
| Designation 1 | T600 N1 W V2 L50060 G50* | for inner diameters DN 80 ÷ 300 mm |
| Designation 1 | T600 N1 W V2 L50040 G75* | for inner diameters DN 301 ÷ 400 mm |
| Designation 1 | T600 N1 W V2 L50050 G75* | for inner diameters DN 301 ÷ 400 mm |
| Designation 1 | T600 N1 W V2 L50060 G75* | for inner diameters DN 301 ÷ 450 mm |
| Designation 1 | T600 N1 W V2 L50060 G100* | for inner diameter DN 500 mm |
| Designation 1 | T600 N1 W V2 L50040 G75** | for inner diameters DN 80 ÷ 300 mm |
| Designation 1 | T600 N1 W V2 L50050 G75** | for inner diameters DN 80 ÷ 300 mm |
| Designation 1 | T600 N1 W V2 L50060 G75** | for inner diameters DN 80 ÷ 300 mm |
| Designation 1 | T600 N1 W V2 L50040 G112,5** | for inner diameters DN 301 ÷ 400 mm |
| Designation 1 | T600 N1 W V2 L50050 G112,5** | for inner diameters DN 301 ÷ 400 mm |
| Designation 1 | T600 N1 W V2 L50060 G112,5** | for inner diameters DN 301 ÷ 400 mm |
- * without enclosure and with ventilated floors
* without enclosure and with closed floors using wooden roof fixing kit DP 6108
** without enclosure and with closed floors using wooden roof fixing kit DP 6162
- | | | |
|---------------|--------------------------------|-------------------------------------|
| Designation 2 | T200 P1 W V2 L50040 O10 | for inner diameters DN 80 ÷ 300 mm |
| Designation 2 | T200 P1 W V2 L50050 O10 | for inner diameters DN 80 ÷ 300 mm |
| Designation 2 | T200 P1 W V2 L50060 O10 | for inner diameters DN 80 ÷ 300 mm |
| Designation 2 | T200 P1 W V2 L50040 O15 | for inner diameters DN 301 ÷ 400 mm |
| Designation 2 | T200 P1 W V2 L50050 O15 | for inner diameters DN 301 ÷ 400 mm |
| Designation 2 | T200 P1 W V2 L50060 O15 | for inner diameters DN 301 ÷ 450 mm |
| Designation 2 | T200 P1 W V2 L50060 O20 | for inner diameter DN 500 mm |
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 outside atmosphere**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) of Regulation (EU) N° 305/2011:
- ROCCEGGIANI Spa**
Via 1° Maggio, 10
60021 CAMERANO (AN) - Italy
Tel: +39 (0)71 7300023
Fax: +39 (0)71 7304005
Email: info@roccheggiani.it
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) of Regulation (EU) N° 305/2011:
- Not applicable**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V of Regulation (EU) N° 305/2011:
- System 2+** (for metal system chimney products)
System 4 (for terminals)
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:
- The notified factory production control certification body TÜV SÜD Industrie Service GmbH (N° 0036) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and approval of factory production control and issued the following certificates of conformity of the factory production control:**
- Certificate 0036 CPR 9811 001 for Designation 1
 - Certificate 0036 CPR 9811 002 for Designation 2
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:
- Not applicable**

9. Declared performance:

Essential characteristics	Performance	Harmonized technical specification
Compressive strength (of chimney section)	<p>Designation 1 and Designation 2:</p> <p>Diameter DN 80/130 mm : up to 37 m Diameter DN 100/150 mm : up to 34 m Diameter DN 130/180 mm : up to 31 m Diameter DN 150/200 mm : up to 27 m Diameter DN 180/230 mm : up to 24 m Diameter DN 200/250 mm : up to 21 m Diameter DN 250/300 mm : up to 20 m Diameter DN 300/350 mm : up to 17 m Diameter DN 350/400 mm : up to 14 m Diameter DN 400/450 mm : up to 13 m Diameter DN 450/500 mm : up to 21 m Diameter DN 500/550 mm : up to 19 m</p> <p>For further information of compressive strength on chimney sections, fittings and supports see the installation instructions</p>	EN 1856-1:2009
Resistance to fire	<p>Designation 1:</p> <p>Inner diameters DN 80 ÷ 300 mm : T600 - G50 Inner diameters DN 350 ÷ 450 mm : T600 - G75 Inner diameter DN 500 mm : T600 - G100</p> <p>- Tested without enclosure and with ventilated floors - Tested without enclosure and with closed floors using wooden roof fixing kit DP 6108</p>	
	<p>Inner diameters DN 80 ÷ 300 mm : T600 - G75 Inner diameter DN 350 - 400 mm : T600 - G112,5</p> <p>- Tested without enclosure and with closed floors using wooden roof fixing kit DP 6162</p>	
	<p>Designation 2:</p> <p>Inner diameters DN 80 ÷ 300 mm : T200 - O10 Inner diameters DN 350 ÷ 450 mm : T200 - O15 Inner diameter DN 500 mm : T200 - O20</p> <p>- Tested without enclosure and with ventilated floors</p>	
Gas tightness/leakage	<p>Designation 1:</p> <p>Inner diameters DN 80 ÷ 500 mm : N1</p>	
	<p>Designation 2:</p> <p>Inner diameters DN 80 ÷ 500 mm : P1</p>	
Flow resistance of chimney sections, fittings and terminals	According to EN 13384-1	
Thermal resistance	<p>Designation 1 and Designation 2:</p> <p>Diameter DN 80/130 mm : 0,32 m²K/W (calculated at 200°C) Diameter DN 100/150 mm : 0,33 m²K/W (calculated at 200°C) Diameter DN 130/180 mm : 0,35 m²K/W (calculated at 200°C) Diameter DN 150/200 mm : 0,36 m²K/W (calculated at 200°C) Diameter DN 180/230 mm : 0,36 m²K/W (calculated at 200°C) Diameter DN 200/250 mm : 0,37 m²K/W (calculated at 200°C) Diameter DN 250/300 mm : 0,38 m²K/W (calculated at 200°C) Diameter DN 300/350 mm : 0,38 m²K/W (calculated at 200°C) Diameter DN 350/400 mm : 0,38 m²K/W (calculated at 200°C) Diameter DN 400/450 mm : 0,39 m²K/W (calculated at 200°C) Diameter DN 450/500 mm : 0,39 m²K/W (calculated at 200°C) Diameter DN 500/550 mm : 0,39 m²K/W (calculated at 200°C)</p>	
Thermal shock resistance:		
- sootfire resistance	<p>Designation 1:</p> <p>Inner diameters DN 80 ÷ 500 mm : Yes</p> <p>Designation 2:</p> <p>Inner diameters DN 80 ÷ 500 mm : No (because designated O)</p>	
- thermal performance under normal operating conditions	<p>Designation 1:</p> <p>Inner diameters DN 80 ÷ 500 mm : T600</p> <p>Designation 2:</p> <p>Inner diameters DN 80 ÷ 500 mm : T200</p>	

Essential characteristics	Performance	Harmonized technical specification
Flexural tensile strength:		EN 1856-1:2009
- tensile strength (only for means of connection for chimney sections and fittings)	NPD (No Performance Determined)	
- non vertical installation	Designation 1 and Designation 2: Inner diameters DN 80 ÷ 200 mm : - maximum offset between supports: 2 m at 90° Inner diameters DN 250 ÷ 400 mm : - maximum offset between supports: 3 m at 90° Inner diameters DN 450 - 500 mm : - maximum offset between supports: 0,95 m at 90°	
- components subject to wind load	Designation 1 and Designation 2: Inner diameters DN 80 ÷ 400 mm : - free standing height 1,5 m above last support - maximum spacing between lateral supports 2 m Inner diameters DN 450 - 500 mm : - free standing height 1 m above last support - maximum spacing between lateral supports 1,5 m	
Durability:		
- water vapour diffusion resistance	Designation 1 (Inner diameters DN 80 ÷ 500 mm): Yes Designation 2 (Inner diameters DN 80 ÷ 500 mm): Yes	
- condensate penetration resistance	Designation 1 (Inner diameters DN 80 ÷ 500 mm): Yes Designation 2 (Inner diameters DN 80 ÷ 500 mm): Yes	
- against corrosion	Designation 1 (Inner diameters DN 80 ÷ 500 mm): V2 Designation 2 (Inner diameters DN 80 ÷ 500 mm): V2	
- freeze thaw resistance	Designation 1 and Designation 2: Yes	

10. 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:

Roccheggiani Marco, CEO

Camerano, 05-05-2017

