

DECLARATION OF PERFORMANCE

N° 053 DOP 2013-07-01 SPG

1. Unique identification code of the product-type:

Single Wall Metal Connecting Flue Pipe
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) of Regulation (EU) N° 305/2011:

"SPG" Single Wall Series
(wall 1.4404)

Designation 1	T600 N1 W V2 L50040 G375 NM ¹⁾	for diameters DN 80 ÷ 120 mm
Designation 1	T600 N1 W V2 L50050 G375 NM ¹⁾	for diameters DN 80 ÷ 120 mm
Designation 1	T600 N1 W V2 L50060 G375 NM ¹⁾	for diameters DN 80 ÷ 120 mm
Designation 1	T600 N1 W V2 L50040 G390 NM ¹⁾	for diameter DN 130 mm
Designation 1	T600 N1 W V2 L50050 G390 NM ¹⁾	for diameter DN 130 mm
Designation 1	T600 N1 W V2 L50060 G390 NM ¹⁾	for diameter DN 130 mm
Designation 1	T600 N1 W V2 L50040 G420 NM ¹⁾	for diameter DN 140 mm
Designation 1	T600 N1 W V2 L50050 G420 NM ¹⁾	for diameter DN 140 mm
Designation 1	T600 N1 W V2 L50060 G420 NM ¹⁾	for diameter DN 140 mm
Designation 1	T600 N1 W V2 L50040 G450 NM ¹⁾	for diameter DN 150 mm
Designation 1	T600 N1 W V2 L50050 G450 NM ¹⁾	for diameter DN 150 mm
Designation 1	T600 N1 W V2 L50060 G450 NM ¹⁾	for diameter DN 150 mm
Designation 1	T600 N1 W V2 L50040 G480 NM ¹⁾	for diameter DN 160 mm
Designation 1	T600 N1 W V2 L50050 G480 NM ¹⁾	for diameter DN 160 mm
Designation 1	T600 N1 W V2 L50060 G480 NM ¹⁾	for diameter DN 160 mm
Designation 1	T600 N1 W V2 L50040 G540 NM ¹⁾	for diameter DN 180 mm
Designation 1	T600 N1 W V2 L50050 G540 NM ¹⁾	for diameter DN 180 mm
Designation 1	T600 N1 W V2 L50060 G540 NM ¹⁾	for diameter DN 180 mm
Designation 1	T600 N1 W V2 L50040 G600 M ²⁾	for diameter DN 200 mm
Designation 1	T600 N1 W V2 L50050 G600 M ²⁾	for diameters DN 200 ÷ 400 mm
Designation 1	T600 N1 W V2 L50060 G600 M ²⁾	for diameters DN 200 ÷ 700 mm
Designation 2	T200 P1 W V2 L50040 O60 M ²⁾	for diameters DN 80 ÷ 200 mm
Designation 2	T200 P1 W V2 L50050 O60 M ²⁾	for diameters DN 80 ÷ 400 mm
Designation 2	T200 P1 W V2 L50060 O60 M ²⁾	for diameters DN 80 ÷ 500 mm

¹⁾ Not Measured (NM) means 3 times the nominal diameter with a minimum of 375 mm

²⁾ 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) 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+

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 009 for Designation 1 and 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 pipe section)	<p>Designation 1 and Designation 2:</p> <p>Diameter DN 80 mm : up to 110 m</p> <p>Diameter DN 100 mm : up to 100 m</p> <p>Diameter DN 120 mm : up to 90 m</p> <p>Diameter DN 130 mm : up to 85 m</p> <p>Diameter DN 140 mm : up to 80 m</p> <p>Diameter DN 150 mm : up to 75 m</p> <p>Diameter DN 160 mm : up to 70 m</p> <p>Diameter DN 180 mm : up to 62 m</p> <p>Diameter DN 200 mm : up to 60 m</p> <p>Diameter DN 220 mm : up to 52 m</p> <p>Diameter DN 230 mm : up to 49 m</p> <p>Diameter DN 250 mm : up to 45 m</p> <p>Diameter DN 280 mm : up to 41 m</p> <p>Diameter DN 300 mm : up to 38 m</p> <p>Diameter DN 350 mm : up to 32 m</p> <p>Diameter DN 400 mm : up to 28 m</p> <p>Diameter DN 450 mm : up to 21 m</p> <p>Diameter DN 500 mm : up to 19 m</p> <p>Diameter DN 550 mm : up to 17 m</p> <p>Diameter DN 600 mm : up to 16 m</p> <p>Diameter DN 650 mm : up to 14 m</p> <p>Diameter DN 700 mm : up to 14 m</p>	
Tensile strength (of pipe section)	<p>Designation 1 and Designation 2:</p> <p>Diameter DN 80 mm : up to 145 m</p> <p>Diameter DN 100 mm : up to 135 m</p> <p>Diameter DN 120 mm : up to 125 m</p> <p>Diameter DN 130 mm : up to 118 m</p> <p>Diameter DN 140 mm : up to 110 m</p> <p>Diameter DN 150 mm : up to 103 m</p> <p>Diameter DN 160 mm : up to 96 m</p> <p>Diameter DN 180 mm : up to 85 m</p> <p>Diameter DN 200 mm : up to 80 m</p> <p>Diameter DN 220 mm : up to 63 m</p> <p>Diameter DN 230 mm : up to 60 m</p> <p>Diameter DN 250 mm : up to 55 m</p> <p>Diameter DN 280 mm : up to 51 m</p> <p>Diameter DN 300 mm : up to 47 m</p> <p>Diameter DN 350 mm : up to 47 m</p> <p>Diameter DN 400 mm : up to 39 m</p> <p>Diameter DN 450 mm : up to 29 m</p> <p>Diameter DN 500 mm : up to 18 m</p> <p>Diameter DN 550 mm : up to 13 m</p> <p>Diameter DN 600 mm : up to 10 m</p> <p>Diameter DN 650 mm : up to 8 m</p> <p>Diameter DN 700 mm : up to 8 m</p>	EN 1856-2:2009
Non vertical installation	<p>Designation 1 and Designation 2:</p> <p>Diameters DN 80 ÷ 200 mm :</p> <p>- maximum offset between supports 2 m at 90°</p> <p>Diameters DN 220 ÷ 700 mm :</p> <p>- maximum offset between supports 3 m at 90°</p>	
Lateral strenght	<p>Designation 1 and Designation 2:</p> <p>Diameters DN 80 ÷ 200 mm :</p> <p>- 2 m between supports</p> <p>Diameters DN 220 ÷ 700 mm :</p> <p>- 3 m between supports</p>	
Thermal shock resistance:		
- sootfire resistance	<p>Designation 1:</p> <p>Diameters DN 80 ÷ 700 mm : Yes</p> <p>Designation 2:</p> <p>Diameters DN 80 ÷ 500 mm : No (because designated O)</p>	
- thermal performance under normal operating conditions	<p>Designation 1:</p> <p>Diameters DN 80 ÷ 700 mm : T600</p> <p>Designation 2:</p> <p>Diameters DN 80 ÷ 500 mm : T200</p>	

Essential characteristics	Performance	Harmonized technical specification
Resistance to fire	Designation 1: Diameters DN 80 ÷ 120 mm : T600 - G375 NM Diameter DN 130 mm : T600 - G390 NM Diameter DN 140 mm : T600 - G420 NM Diameter DN 150 mm : T600 - G450 NM Diameter DN 160 mm : T600 - G480 NM Diameter DN 180 mm : T600 - G540 NM Diameters DN 200 ÷ 700 mm : T600 - G600 M Designation 2: Diameters DN 80 ÷ 500 mm : T200 - O60 M	EN 1856-2:2009
Gas tightness/leakage	Designation 1: Diameters DN 80 ÷ 700 mm : N1 Designation 2: Diameters DN 80 ÷ 500 mm : P1	
Flow resistance of chimney sections and fittings	According to EN 13384-1	
Durability:		
- water vapour diffusion resistance	Designation 1 (Diameters DN 80 ÷ 700 mm): Yes Designation 2 (Diameters DN 80 ÷ 500 mm): Yes	
- condensate penetration resistance	Designation 1 (Diameters DN 80 ÷ 700 mm): Yes Designation 2 (Diameters DN 80 ÷ 500 mm): Yes	
- against corrosion	Designation 1 (Diameters DN 80 ÷ 700 mm): V2 Designation 2 (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, 10-12-2014

