

DECLARATION OF PERFORMANCE

N° 052 DOP 2013-07-01 SPG

1. Unique identification code of the product-type:
Single Wall Metal Flue Liner
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 G | for diameters DN 80 ÷ 200 mm |
| Designation 1 | T600 N1 W V2 L50050 G | for diameters DN 80 ÷ 400 mm |
| Designation 1 | T600 N1 W V2 L50060 G | for diameters DN 80 ÷ 700 mm |
| Designation 2 | T200 P1 W V2 L50040 O | for diameters DN 80 ÷ 200 mm |
| Designation 2 | T200 P1 W V2 L50050 O | for diameters DN 80 ÷ 400 mm |
| Designation 2 | T200 P1 W V2 L50060 O | for diameters DN 80 ÷ 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+
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 008 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)	Designation 1 and Designation 2: Diameter DN 80 mm : up to 110 m Diameter DN 100 mm : up to 100 m Diameter DN 120 mm : up to 90 m Diameter DN 130 mm : up to 85 m Diameter DN 140 mm : up to 80 m Diameter DN 150 mm : up to 75 m Diameter DN 160 mm : up to 70 m Diameter DN 180 mm : up to 62 m Diameter DN 200 mm : up to 60 m Diameter DN 220 mm : up to 52 m Diameter DN 230 mm : up to 49 m Diameter DN 250 mm : up to 45 m Diameter DN 280 mm : up to 41 m Diameter DN 300 mm : up to 38 m Diameter DN 350 mm : up to 32 m Diameter DN 400 mm : up to 28 m	EN 1856-2:2009

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

Essential characteristics	Performance	Harmonized technical specification
Durability:		EN 1856-2:2009
- 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

