

# **Declaration of Performance Europa - System Chimney**

Europa DOP Issue 4

BS EN 1856-1

1. Unique identification code of the product-type:

**Twin Wall Metal System Chimney  
EN 1856-1**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under article 11(4):

**Manufacturers Identification(s):**

**Europa**

Model 1 DN (100-950)	T250	H1	W	V2	L50100	OXX
Model 2 DN (1000-1200)	T250	H1	W	V2	L50120	OXX
Model 3 DN (100-950)	T600	H1	W	V2	L50100	GXX
Model 4 DN (1000-1200)	T600	H1	W	V2	L50120	GXX

XX Refer to Section 8.2

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**To convey the products of combustion to atmosphere under negative or positive draught conditions.**

4. Name, registered trade name or registered trade mark and contact address of the manufacture as required under article 11(5):

**SFL  
Pottington Business Park  
Barnstaple  
Devon  
United Kingdom  
EX31 1LZ  
Tel: 01271 326633 Fax: 01271 334303  
Email: [info@sflchimneys.com](mailto:info@sflchimneys.com) Web: [www.sflchimneys.com](http://www.sflchimneys.com)**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

**N/A**

6. System of assessment and verification of consistency of performance as set out in CPR, Annex V:

**System 2+ and System 4 (Terminals)**

7. Notified factory production control certification body 2797 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 2797 CPR 496040 of the factory production control.

**BSI Group The Netherlands B.V.**  
**John M. Keynesplein 9,**  
**1066 EP Amsterdam,**  
**The Netherlands.**

## 8. Declared performance

	Essential Characteristics	Performance	Harmonised Technical Specifications
8.1	Compressive strength  Chimney sections, fittings and supports	Models 1,2,3,4 (DN100-1200) Lengths: 2,102Kg Tees: See appendix A Supports: See appendix A	EN 1856-1: 2009
8.2	Resistance to fire	Model 1,2 <u>Within a Ventilated Combustible Enclosure</u> DN (100-300): T250 O50 DN (350-450): T250 O75 DN (500-600): T250 O100 DN (>600): T250 O200 Model 3,4 DN (100-300): T600 G100 DN (350-450): T600 G150 DN (500-600): T600 G200 DN (>600): T600 G400  <u>Unenclosed</u> Model 1,2 DN (100-300): T250 O50 DN (350-450): T250 O75 DN (500-600): T250 O100 DN (>600): T250 O200 Model 3,4 DN (100-300): T600 G50 DN (350-450): T600 G75 DN (500-600): T600 G100 DN (>600): T600 G200 <u>See Installation Instructions For Detailed Information</u>	
8.3	Gas tightness / leakage	Model 1,2,3,4 DN(100-1200): H1	
8.4	Flow resistance of chimney sections  Flow resistance of chimney fittings	According to EN 13384-1	
8.5	Thermal resistance @ 200°C	25mm Insulation: 0.4 m²K/W 50mm Insulation: 0.7 m²K/W 100mm Insulation: 1.15 m²K/W	
8.6	Thermal shock resistance  Sootfire resistance	Model 1,2 DN(100-1200): No Model 3,4 DN (100-1200): Yes	
8.7	Thermal performance under normal operating conditions	Model 1,2 DN(100-1200): T250 Model 3,4 DN(100-1200): T600	

8.8	Flexural tensile Strength (only for means of connection for a chimney and fittings)	1,480 Kg	EN 1856-1: 2009
8.9	Non vertical installations	4m between lateral supports @ 90°	
8.10	Components subject to wind load	Model 1,2,3,4 DN100 ≤ 2.0m above last support ≤ 4m between supports DN (150 - 1200) ≤ 3.0m above last support ≤ 4m between supports	EN 1856-1: 2009
8.11	Water and vapour diffusion resistance	Model 1,2,3,4 DN(100-1200): YES	EN 1856-1: 2009
8.12	Condensate penetration resistance.	Model 1,2,3,4 DN(100-1200): YES	
8.13	Durability against corrosion	V2	
8.14	Freeze thaw	N/A	

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. The 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:

Barnstaple, Devon 17th January 2022



Flavio Buccianti Managing Director



## Appendix A - Structural Loadings

The product design loads represent the nearest approximation based on the weight tolerance of the product and current technical literature.

### Compressive loading - Support Plates, Wall Support Brackets, Tees

Size (mm)	Maximum Loadings (Kg)		
	Wall Supports <sup>1</sup>	Support Plates <sup>2</sup>	Tees <sup>3</sup>
100	400	400	100
150	450	450	100
175	500	525	100
200	550	600	125
250	625	750	150
300	700	900	175
350	800	1050	200
400	875	1250	225
450	950	1350	250
500	1050	1500	275
550	1125	1650	312
600	1200	1800	350
650	1287	1887	375
700	1375	1975	400
750	1462	2062	425
800	1550	2150	450
850	1625	2250	475
900	1700	2350	500
950	1787	2425	525
1000	1875	2500	550
1100	1875	2500	600
1200	1875	2500	650

1. These loads can only be attained by using adequate fixing to a suitable structure

2. All four sides of the Support Plate must be supported

3. Tees - Loading assumes that the tee is supported on its base

**IMPORTANT: Please refer to the installation instructions for detailed information**