

**Declaration of Performance
Sflue - System Chimney**

Sflue DOP Issue 4 270618

1. Unique identification code of the product-type:

Multi-Wall Metal System Chimney to 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):

Manufacturer Identification(s):

Sflue

Model 1 DN (127-203) T450 N1 D Vm L50040 GXX

Model 2 DN (127-203) T600 N1 D Vm L50040 GXX

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 from a gas, oil or solid fuel fired appliance to atmosphere under negative draught and dry 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 Web: www.sflchimneys.com**

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

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

System 2+ and System 4

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Notified factory production control certification body 0086 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 of the factory production control and issued the certificate of conformity 0086 CPD 496040.

BSI Product Services
Maylands Avenue
Hemel Hempstead
Herts, HP2-4SQ

8. Declared Performance to Annex ZA - EN 1856-1

	Essential Characteristics	Performance	Harmonised Technical Specifications
8.1	Compressive strength Chimney sections, fittings and supports	See Appendix A	EN 1856-1: 2009
8.2	Resistance to fire	Model 1 (DN127-DN203): T450 G50 <i>Tested in a fully enclosed combustile enclosure using ventilated firestop plates at floor and ceiling level</i> Model 2 (DN127-DN203): T600 G50 <i>Tested unenclosed in zone B using ventilated firestops at floor and ceiling level</i>	
8.3	Gas tightness / leakage	Model 1,2 (DN127-DN203): N1	
8.4	Flow resistance of chimney sections Flow resistance of chimney fittings	Mean Value of Roughness: 1mm According to EN 13384-1	
8.5	Thermal resistance	0.42 m ² K/W @ 200°C	
8.6	Thermal shock resistance Sootfire resistance	Model 1,2 (DN127-DN203): Yes	
8.7	Thermal performance under normal operating conditions	Model 1 (DN127-DN203): T450 Model 2 (DN127-DN203): T600	
8.8	Flexural tensile Strength (only for means of connection for a chimney and fittings)	See Appendix A	
8.9	Non vertical installations	Model 1,2 (DN127-DN203): 3m between lateral supports at 45°	
9.10	Components subject to wind load	Model 1,2 (DN127-DN203): ≤ 1.5m above last support ≤ 3m between supports	

8.11	Water and vapour diffusion resistance	Model 1,2 (DN127-DN203): No	EN 1856-1: 2009
8.12	Condensate penetration resistance.	Model 1,2 (DN127-DN203): No	
8.13	Durability against corrosion	Model 1,2 (DN127-DN203): Vm L50040 Liner: 0.4mm 316L (1.4404) Outer Case: 0.4mm 304 (1.4301)	
8.14	Freeze thaw	Model 1,2 (DN127-DN203): Yes	

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 2nd July 2018

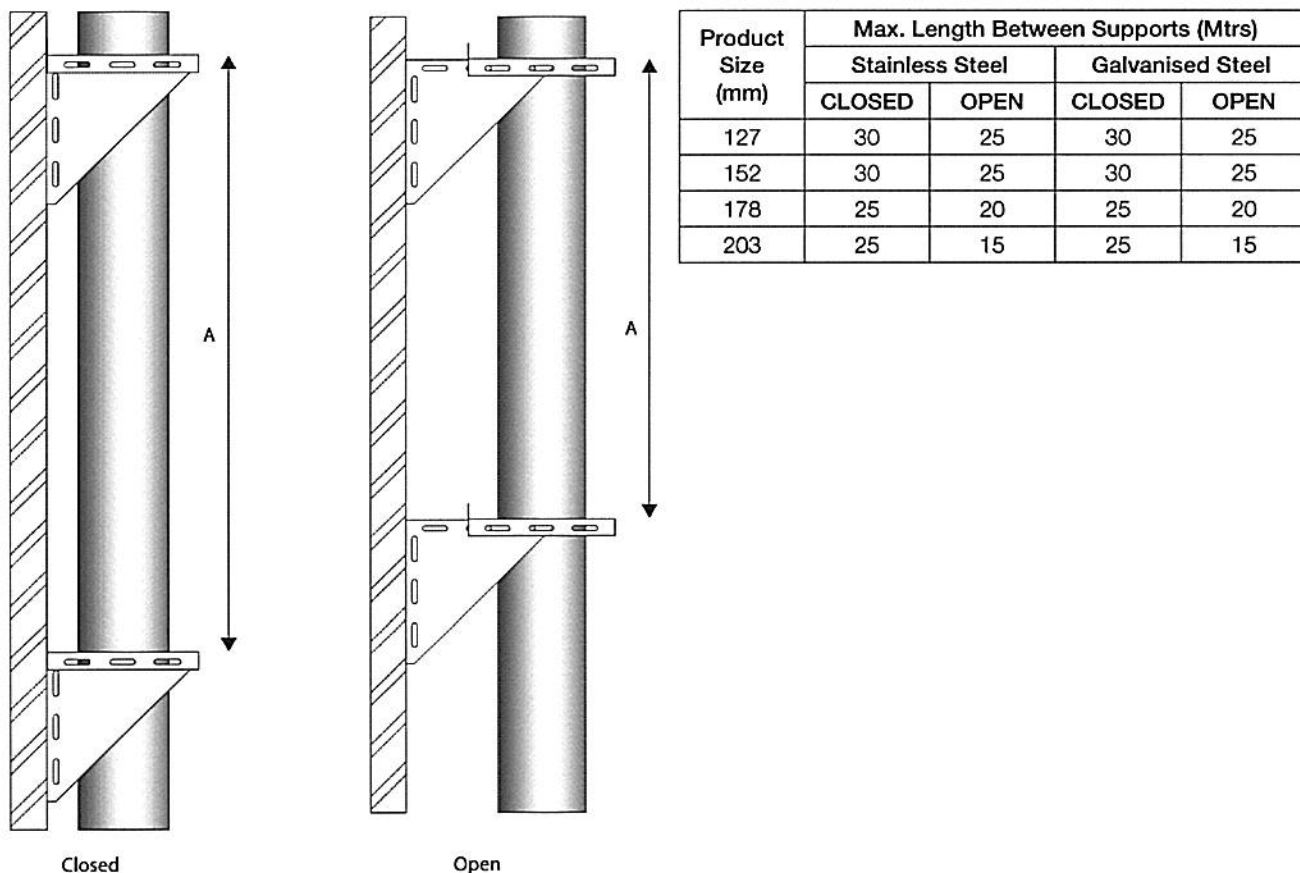


 Tim Smith Managing Director

Appendix A - Structural Loadings

All mechanical loadings unless indicated have been converted to metres of product for ease of application based on the design loads of the test data. The product design loads represent the nearest approximation based on the weight tolerance of the product and current technical literature.

Compressive loading - Support Plates



Compressive Loading - Tees (Vertical Loading in Metres)

Component	Product Size (mm)			
	127	154	178	203
90° Tee	13	13	13	13
135° Tee	11	11	11	7

Compressive Loading - Lengths (Vertical Loading in Metres)

Component	Product Size (mm)			
	127	154	178	203
Lengths	90	77	64	57

Tensile Loading - Joint Design (Metres of Product)

Component	Product Size (mm)			
	127	154	178	203
Lengths	77	65	54	48

EC Certificate

Certificate of Factory Production Control

Certificate No. 0086 - CPD - 496040



In compliance with the Directive 89/106/EEC of the council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (Construction Products Directive – CPD), as amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

Single and Multi-Wall System Chimney Products

Comprising of metallic liners (chimney sections, chimney fittings and terminals, including supports) used to convey the products of combustion: gas, oil, solid fuel and wood (singly or combination) from appliances to the outside atmosphere.

and produced by

SFL (a division of Powrmatic Ltd)

Pottington Business Park, Barnstaple, Devon, EX31 1LZ

manufactured in the factory located at
Pottington Business Park, Barnstaple, Devon, EX31 1LZ

is submitted by the manufacturer to the initial type-testing of the product and a factory production control, and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body BSI has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the harmonised European Standard

EN 1856-1:2003

were applied.

For and on behalf of the British Standards Institution, a Notified Body for the above Directive.
Notified Body Number 0086.

Anne Boyd, Managing Director,
Product Services
Date 12 October 2005

This certificate first issued 16 May 2005

This certificate remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the factory product control itself are not modified significantly.

The British Standards Institution is incorporated by Royal Charter.