



Declaration of Performance

No. ORANGE -DOP-30-05-13

1. Unique identification code of the product-type:

**Multi-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):

Manufacturer Identification(s):

Orange System

Designation 1	DN (80 – 100)	T160	P1	W	V2	L50050	O20
Designation 2	DN (80 – 100)	T160	P1	W	V2	L99050	O20

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):

**Grant Engineering (Ireland) LTD.
Crinkle, Birr,
Co. Offaly,
IRELAND**

Manufacturing Site(s)

**Schiedel Chimney Systems Ltd
Crowther Estate
Washington
Tyne & Wear
NE38 0AQ
UK**

**Schiedel s.r.o.
Modlanská 1,
CZ-415 02
Teplice
Czech Republic**

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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 or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 2+ and System 4

7. Notified factory production control certification body No. **0036** 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.

**TÜV Industrie Service GmbH TÜV Süd Gruppe
Ridlerstraße 65
D-80339 München**



8. Declared performance

Essential characteristics and clauses to EN 1856-1	Performance	Harmonized technical specification
Compressive strength	Designation(s) 1 & 2: DN (80 – 100) : npd For further information see installation instructions	EN 1856-1: 2009
Chimney sections, fittings and supports		
Resistance to fire	Designation(s) 1 & 2: DN (80 – 300) : T160 O20 *Tested non-enclosed with solid floors.	
Gas tightness /leakage	Designation(s) 1 & 2: DN (80 – 100) : P1 (Passed)	
Flow resistance of chimney sections	Designation(s) 1 & 2: DN (80 – 100) : 0.1mm	
Flow resistance of chimney fittings	Zeta 0.3 according EN 13384-1	
Flow resistance of terminals	Zeta 0.5 according EN 13384-1	
Thermal resistance	Designation(s) 1 & 2: DN (80 – 100) : 0.00 m ² K/W tested at 200°C	
Thermal shock resistance	Designation(s) 1 & 2: DN (80 – 100) : No as designated O	
Sootfire Resistance:		
Thermal performance under normal operating conditions:	Designation(s) 1 & 2: DN (80 – 100) : T160	

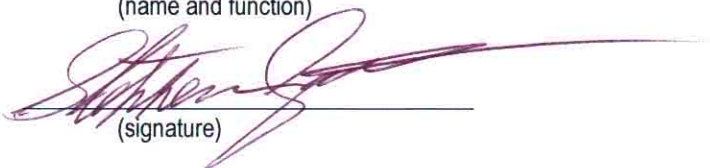


Essential characteristics and clauses to EN 1856-1	Performance	Harmonized technical specification
Flexural tensile strength (only for means of connection for chimney sections and fittings)	Designation(s) 1 & 2: npd	EN 1856-1: 2009
Non vertical installation	Designation(s) 1 & 2: DN (80 – 100) npd	
Components subject to wind load	Designation(s) 1 & 2: npd	
Durability Water and vapour diffusion resistance	Designation(s) 1 & 2: DN (80 – 100) : Yes	
Condensate penetration resistance	Designation(s) 1 & 2: DN (80 – 100) : Yes	
Against corrosion	Designation(s) 1 & 2: DN (80 – 100) : V2	
Freeze thaw resistance	Designation(s) 1 & 2: DN (80 – 100) : Yes	

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

Mr. Stephen Grant (Managing Director)
(name and function)


(signature)

Crinkle, Birr, Co. Offaly, Ireland (01-07-2013)
(place and date of issue)