

Declaration of Performance

ICS-50 – System Chimney

GB-004-DOP-13-11-15



Declaration of Performance

No. GB-004-DOP-13-11-15

1. Unique identification code of the product-type:

**Multi-wall Metal System Chimney (with 316L Liner)
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):

ICS-50, Perimeter-50, Metalbestos Multi-50 (Inc Painted Product)

Designation 1	DN (80 – 300)	T600	N1	W	V2	L50050	G25
Designation 1	DN (350 - 450)	T600	N1	W	V2	L50050	G37.5
Designation 1	DN (500 - 600)	T600	N1	W	V2	L50050	G50
Designation 1	DN (650 - 700)	T600	N1	W	V2	L50050	G100
Designation 2	DN (80 – 300)	T600	N1	D	V3	L50050	G25
Designation 2	DN (350 - 450)	T600	N1	D	V3	L50050	G37.5
Designation 2	DN (500 - 600)	T600	N1	D	V3	L50050	G50
Designation 2	DN (650 - 700)	T600	N1	D	V3	L50050	G100
Designation 3	DN (80 – 300)	T400	N1	W	V2	L50050	G25
Designation 3	DN (350 - 450)	T400	N1	W	V2	L50050	G37.5
Designation 3	DN (500 - 600)	T400	N1	W	V2	L50050	G50
Designation 3	DN (650 - 700)	T400	N1	W	V2	L50050	G100
Designation 4	DN (80 – 300)	T400	N1	D	V3	L50050	G25
Designation 4	DN (350 - 450)	T400	N1	D	V3	L50050	G37.5
Designation 4	DN (500 - 600)	T400	N1	D	V3	L50050	G50
Designation 4	DN (650 - 700)	T400	N1	D	V3	L50050	G100

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):

**Schiedel Chimney Systems Ltd
Crowther Estate
Washington**

Tyne & Wear

**NE38 0AQ
UK
Telephone: +44 (0) 191 4161150
Fax: +44 (0) 191 4151263
Email: sales@schiedel.co.uk**

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

(Metalbestos Multi 50)
Kierulff a/s
Nordre Løkkebyvej 3
5953 Tranekær
Danmark
Telephone: +45 62 50 11 50
Fax: +44 62 50 20 93
Email: info@kierulff.dk

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, 3 & 4: DN (80 –300) : 15m DN (350 - 700) : 10m	EN 1856-1: 2009
Chimney sections, fittings and supports	For further information see installation instructions	
Resistance to fire	Designation(s) 1 & 2: DN (80 – 300) : T600 G25 DN (350 - 450) : T600 G90 DN (500 - 600) : T600 G120 DN (650 - 700) : T600 G240 Designation(s) 3 & 4: DN (80 – 300) : T400 G25 DN (350 - 450) : T400 G90 DN (500 - 600) : T400 G120 DN (650 - 700) : T400 G240 *Tested non-enclosed; floor penetration fully insulated with solid fire-stop plates.	
Gas tightness /leakage	Designation(s) 1, 2, 3 & 4: DN (80 – 700) : N1 (Passed)	
Flow resistance of chimney sections	Designation(s) 1, 2, 3 & 4: DN (80 – 700) : 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, 3 & 4 : DN (80 – 700) : 0.47 m ² K/W tested at 200°C	
Thermal shock resistance	Designation(s) 1, 2, 3 & 4 :	
Sootfire Resistance:	DN (80 – 700) : Yes.	
Thermal performance under normal operating conditions:	Designation(s) 1 & 2: DN (80 – 700) : T600 Designation(s) 3 & 4: DN (80 – 700) : T400	

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, 3 & 4 : DN 80 - ≤ 2.12 kN (33 metres) DN 300 - ≤ 2.25 kN (12 metres) DN 700 - ≤ 1.25 kN (3 metres)	EN 1856-1: 2009
Non vertical installation	Designation(s) 1, 2, 3 & 4 : DN (80 – 500) between supports ≤ 3m at 90° DN (550 - 700) between supports ≤ 4m at 90°	
Components subject to wind load	Designation(s) 1, 2, 3 & 4 : <u>DN (80 – 400)</u> ≤ 3 m above last support ≤ 4 m between supports <u>DN (450 - 700)</u> ≤ 2 m above last support ≤ 3 m between supports	
Durability Water and vapour diffusion resistance	Designation(s) 1, 2, 3 & 4 : DN (80 – 700) : Yes	
Condensate penetration resistance	Designation(s) 1, 2, 3 & 4 : DN (80 – 700) : Yes	
Against corrosion	Designation(s) 1 & 3: DN (80 – 700) : V2 Designation(s) 2 & 4: DN (80 – 700) : V3	
Freeze thaw resistance	Designation(s) 1, 2, 3 & 4 : DN (80 – 700) : 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:

Michael Ball: Chief Executive Officer

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(name and function)

Washington, 22nd July 2014

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(place and date of issue)



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(signature)