

# Declaration of Performance

## ICS-25 [444 Liner] – System Chimney

GB-002-DOP-13-11-15

# **Declaration of Performance**

**No. GB-002-DOP-13-11-15**

1. Unique identification code of the product-type:

**Multi-wall Metal System Chimney (with 444 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-25, Perimeter-25, Metalbestos Multi-25**

Designation 1	DN (80 – 300)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G60</b>
Designation 1	DN (350 - 450)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G90</b>
Designation 1	DN (500 - 600)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G120</b>
Designation 1	DN (650 - 700)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G240</b>
Designation 2	DN (80 – 300)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G50</b>
Designation 2	DN (350 - 450)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G75</b>
Designation 2	DN (500 - 600)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G100</b>
Designation 2	DN (650 - 700)	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>G200</b>
Designation 3	DN (80 – 700)	<b>T200</b>	<b>P1</b>	<b>W</b>	<b>V2</b>	<b>L99050</b>	<b>O00</b>

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 25)**  
**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](mailto: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:  DN (80 – 130) : 22m DN (150 - 180) : 18m DN (200 - 300) : 18m DN (350 - 450) : 12m DN (500 - 550) : 12m DN (600 - 700) : 10m	EN 1856-1: 2009
Chimney sections, fittings and supports	For further information see installation instructions	
Resistance to fire	Designation 1:  DN (80 – 300) : T450 G60 DN (350 - 450) : T450 G90 DN (500 - 600) : T450 G120 DN (650 - 700) : T450 G240  *Tested fully enclosed in a combustibile shaft; floor penetration fully ventilated with ventilated fire-stop plates.  Designation 2:  DN (80 – 300) : T450 G50 DN (350 - 450) : T450 G75 DN (500 - 600) : T450 G100 DN (650 - 700) : T450 G200  *Tested fully enclosed in a non-combustible shaft; floor penetration fully insulated with solid fire-stop plates.  Designation 3:  DN (80 – 700) : T200 O00  *Tested non enclosed; floor penetration fully ventilated with ventilated fire stop plates.	
Gas tightness /leakage	Designation(s) 1 & 2:  DN (80 – 700) : N1 (Passed)  Designation 3:  DN (80 – 700) : P1 (Passed)	
Flow resistance of chimney sections	Designation(s) 1, 2 & 3:  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:  DN (80 – 700) : 0.37 m <sup>2</sup> K/W tested at 200°C	
Thermal shock resistance	Designation(s) 1 & 2:	
Sootfire Resistance:	DN (80 – 700) : Yes.	
Thermal performance under normal operating conditions:	Designation 3: No as designated O Designation(s) 1 & 2:  DN (80 – 700) : T450  Designation 3:  DN (80 – 700) : T200	

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:  DN 80 - 48 metres DN 300 - 15 metres DN 700 - 3 metres	EN 1856-1: 2009
Non vertical installation	Designation(s) 1, 2 & 3:  DN (80 – 500) between supports $\leq 3\text{m}$ at $90^\circ$ DN (550 - 700) between supports $\leq 4\text{m}$ at $90^\circ$	
Components subject to wind load	Designation(s) 1, 2 & 3:  <u>DN (80 – 400)</u>  $\leq 3\text{ m}$ above last support $\leq 4\text{ m}$ between supports  <u>DN (450 - 700)</u>  $\leq 2\text{ m}$ above last support $\leq 3\text{ m}$ between supports	
Durability Water and vapour diffusion resistance	Designation(s) 1, 2 & 3:  DN (80 – 700) : Yes	
Condensate penetration resistance	Designation(s) 1, 2 & 3:  DN (80 – 700) : Yes	
Against corrosion	Designation(s) 1,2 & 3:  DN (80 – 700) : V2	
Freeze thaw resistance	Designation(s) 1, 2 & 3:  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**

(name and function)

**Washington, 13<sup>th</sup> Nov 2015**

(place and date of issue)



(signature)