

**Declaration of Performance according regulation (EU) Nr. 305/2011 for building products (CPR-Construction Products Regulation) 0432**



DOP-No. 0432-CPR-00117-20/DOP\_DW\_GB/February 2017

0432

**1 Multiwall system chimney according EN 1856-1:2009 of type**

Product designation:

**DW**

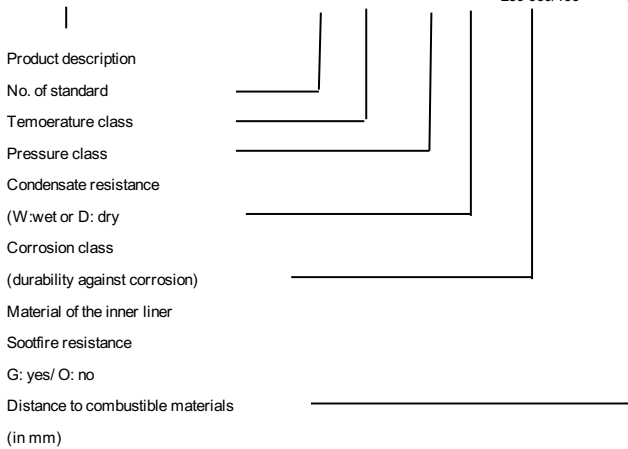
(Tradename)

**2 Type-, charge or serial no. or other mark for identification of the building product according article 11 paragraph 4:**

Product information of the manufacturer

DN

Item	Product description	EN	T	P1	W	V2	O(10)	80-300	multiwall chimney with 30-100 mm insulation and EPDM sealing
0.1	Metal system chimney	1856-1	120			L50 050	O(15)	301-450	ventilated, without shaft
						L50 060/100	O(20)	451-600	
0.2	Metal system chimney	1856-1	600	N1	D	V3	G(60)	80-300	multiwall chimney with 30-100 mm insulation
						L50 050	G(90)	301-450	ventilated, without shaft
						L50 060/100	G(120)	451-600	
0.3	Metal system chimney	1856-1	400	N1	W	V2	O(40)	80-300	multiwall chimney with 30-100 mm insulation
						L50 050	O(60)	301-450	ventilated, without shaft
						L50 060/100	O(80)	451-600	



**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):**

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 Internet: www.raab-gruppe.de

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

**Not applicable**

**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+**

**7 Notified factory production control certification body**



**Marsbruchstraße 186  
 D-44287 Dortmund**

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.

## 8 Declared performance

Id. Nr	Essential characteristics	Performance according EN 1856-1	Values / Classes	harmonised technical specification/other informations
1.0	Compressive strength	Version 0.1-0.3 for Tubes, fittings and wall bands	DN80-300 up to 117 m DN301-450 up to 45 m DN351-600 up to 23 m	EN 1856-1 DIN 1856-1 Consider anchor forces/ distance to the wall Height
2.1	Resistance to fire	Version 0.1 Distance to combustible materials with T120 and positive pressure P1	O(10) DN80-300 10mm, O(15) DN301-450 15mm, O(30) DN351-600 30mm,  ventilated, without shaft	EN 1856-1 With EPDM sealing
2.2	Resistance to fire	Version 0.2 Distance to combustible materials with T600 and negative pressure N1 and sootfire resistance	G(60) DN80-300 60mm, G(90) DN301-450 90mm, G(120) DN351-600 120mm,  ventilated, without shaft	EN 1856-1
2.2	Resistance to fire	Version 0.3 Distance to combustible materials with T400 and negative pressure N1	O(40) DN80-300 40mm, O(60) DN301-450 60mm, O(80) DN351-600 80mm,  ventilated, without shaft	EN 1856-1
3.1	Gas tightness	Version 0.1 T120	O(10) DN80-300 P1 O(15) DN301-450 P1 O(30) DN351-600 P1	EN 1856-1 With EPDM sealing
3.2	Gas tightness	Version 0.2 T600	G(60) DN80-300 N1 G(90) DN301-450 N1 G(120) DN351-600 N1	EN 1856-1
3.3	Gas tightness	Version 0.3 T400	O(40) DN80-300 N1 O(60) DN301-450 N1 O(80) DN351-600 N1	EN 1856-1
4.1	Flow resistance	Version 0.1-0.3 Tubes	according EN13384-1, R=1mm Table B.4	EN 1856-1/EN 13384-1, Tab. B.4 Normative value
4.2	Flow resistance	Version 0.1-0.3 Fittings	according EN13384-1 Table B.8	EN 1856-1 Normative value
4.3	Flow resistance	Version 0.1-0.3 Terminals	according EN13384-1 Table B.8	EN 1856-1/EN 13384-1, Tab B.8 Declared value by the manufacturer
5.1	Thermal resistance	Version 0.2/0.3 T400/T600	0,41 m <sup>2</sup> K/W with 200°C measured value with 30 mm insulation	EN 1856-1
5.2	Thermal resistance	Version 0.1 T120	0,0 m <sup>2</sup> K/W with 70°C	EN 1856-1
6.1	Thermal shock resistance	Version 0.1 Sootfire resistance  Thermal performance under normal operating conditions	O(10) DN80-300 No O(15) DN301-450 No O(30) DN351-600 No No-because O O(10) DN80-300 T120 O(15) DN301-450 T120 O(30) DN351-600 T120	EN 1856-1

**8 Declared performance**

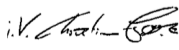
Id. Nr.	Essential characteristics	Performance according EN 1856-1	Values / Classes	harmonised technical specification/other informations
6.2	Thermal shock resistance	Version 0.2 Sootfire resistance  Thermal performance under normal operating conditions	G(60) DN80-300 Yes G(90) DN301-450 Yes G(120) DN351-600 Yes  G(60) DN80-300 T600 G(90) DN301-450 T600 G(120) DN351-600 T600	EN 1856-1
6.3	Thermal shock resistance	Version 0.3 Sootfire resistance  Thermal performance under normal operating conditions	O(40) DN80-300 No O(60) DN301-450 No O(80) DN351-600 No No-because O O(40) DN80-300 T400 O(60) DN301-450 T400 O(80) DN351-600 T400	EN 1856-1
7.1	Flexural tensile strength	Version 0.1-0.3	NPD	EN 1856-1
8.1	Non vertical installation	Version 0.1-0.3 Maximum offset between supports	90°	EN 1856-1
8.2	Non vertical installation	Version 0.1-0.3 Maximum length between supports	3m	EN 1856-1
9	Components subject to wind load	Version 0.1-0.3 Wind load	free standing height above last support 3m Maximum spacing between lateral supports: 3 m	EN 1856-1
10.1	Durability	Water and vapour diffusion resistance Version 0.1/0.3 Version 0.2	W (Yes) D (No)	EN 1856-1
10.2	Durability	Condensate penetration resistance Version 0.1/0.3 Version 0.2	W (Yes) D (No)	EN 1856-1
10.3	Durability	Against corrosion Version 0.1/0.3 Version 0.2	V2 V3	EN 1856-1
10.4	Durability	Freeze-thaw resistance Version 0.1-0.3	given	EN 1856-1
10.5	Durability	Resistance against rain water Version 0.1-0.3	given	EN 1856-1
10.6	Durability	Protection against rain water Version 0.1-0.3	not given	EN 1856-1

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:

Christian Freis, Technical director Raab-Group

Neuwied,  
01. February 2017

i.V.   
i.V. ....  
(Signature)