

# Certificate

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**Certificate No:** 18905/1

**Issue No:** 1

**Date of issue:** 30 July 2009

This is to certify that

**BSRIA Limited**

has tested a sample of the product described below in accordance with the test methods contained within *BS EN 1856-2:2004* and have determined the flexible liner product has met the requirements of *BS EN 1856-2:2004*. For further details see page 2 of this certificate.

**Manufacturer/Agent** Excel Plumbing Products  
Unit 6  
Kilcronagh Business Park  
Cookstown  
County Tyrone  
BT80 9HG

**Product** Multifuel flexible chimney liners (Double wall flexible liner)

**Range of sizes** 100, 125, 150, 175, 200, 250, 300 mm internal diameter

**Test period** 27 August 2004 to 20 October 2004

**Expiry date** 30 July 2012

**Test Engineer** David Butler

**Quality Approved** Andrew Freeth  
Test Engineer  
Microclimate & Test

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**PRODUCT DETAILS**

<b>Product designation</b>
EN 1856-2 - T450 – N1 - D – VmL50010 – G (25)

<b>Material type</b>	
Stainless steel 316	1.4401

**TEST RESULTS****Table 1 Findings of examination for compliance with BS EN 1856-2 : 2004**

Manufacturer's declaration for type test

BS EN 1856-2	BS EN 1856-1	BS EN 1443	Description	Complies? Yes/No
4	-	-	Classification and designation	Yes
-	-	4.1-4.7, 4.11	Classification and designation	Yes
6.4.3	-	4.8	Thermal resistance	N/a
6.2	6.2	4.10	Resistance to fire	Yes
4 & 5	-	5	Dimensions and tolerances	Yes
6.1.2.1	-	6.2	Compressive strength for fittings and supports of flexible liners	N/a
6.1.2.2	-		Tensile strength for flexible liners	Yes
6.1.2.3	-		Crushing resistance for flexible liners	Yes
6.1.2.4	-		Flexibility for flexible liners	Yes
	-		Torsion strength for flexible liners	Yes
	-		Pulling force for flexible liners	Yes
-	-	6.3	Thermal performance tests	Yes
6.3	-	6.4.1	Gas tightness	Yes
6.4.4	4.7	6.4.2	Water vapour diffusion resistance	N/a
6.5	-	6.4.3	Durability of liner against corrosion	Yes
6.4	6.4.2	6.5	Safety in use	Yes
6.4.5	-	6.7.4	Condensate penetration resistance	N/a
6.4.6	6.4.7.1 & 6.4.7.2	6.7.5	Flow resistance of rigid liners, rigid connecting flue pipes and fittings	Yes (1)
7	-	7	Manufacturer's documentation and instructions	Yes
8.1	-		Marking of sections, fittings and terminals	Yes
8.2	-		Chimney plate	Yes
8.2.1	-		Packaging	Yes

Note:- (1) Flow resistance as given in EN 13884-1 is mean roughness of 0.005.