

**DECLARATION OF PERFORMANCE**  
no 5/2013



1. Unique identification code of the product-type: Single-wall heat resistant chimney, inserts systems, type SWKZ and SWKZow
2. Intended usage of the construction product: SWKZ and SWKZow type heat resistant chimney liners. Used to protect inner surfaces of ceramic chimneys (exhausting fumes from wood burning stoves) from the destructive functioning of temperature and acids.
3. Manufacturer:



**DARCO Sp. z o. o.**  
39-206 Pustków Osiedle 48, Poland  
Manufacturing plant location:  
Dębica, ul. Metalowców 43, Poland

4. System or systems of assessment and verification of constancy of performance of the construction product: 2+
5. Harmonized norm: **PN-EN 1856-2:2009**  
Notified body no: **UE no 1450**  
**Oil and Gas Institute, National Research Institute, ul. Lubicz 25a, 31-503 Kraków, Poland**
6. Declared performance:

No.	Essential characteristics	Performance	Harmonised technical specification
1.	Sort of material	1.4828	PN-EN 1856-2:2009
2.	Thickness	0,8 or 1,0 [mm] (DN120÷DN500) 0,8 or 1,0 [mm] (ow120x170÷ow130/320)	Manufacturer's declaration
3.	Temperature level	T600	PN-EN 1856-2:2009
4.	Gas tightness (pressure class)	N1 (40[Pa])	PN-EN 1856-2:2009
5.	Condensate penetration resistance	W	PN-EN 1856-2:2009
6.	Water and vapour diffusion resistance	Resistant	PN-EN 1856-2:2009
7.	Durability against corrosion	Vm	PN-EN 1856-2:2009
8.	Sootfire resistance	G	PN-EN 1856-2:2009
9.	Minimum distance to combustible materials	500 [mm]	PN-EN 1856-2:2009
10.	Thermal resistance	0 [m <sup>2</sup> K/W] without isolation	PN-EN 1856-2:2009
11.	Flow resistance of chimney [ç]	Tee 90° – 1,14 Tee 45° – 0,35 Elbow 90° – 0,40 Elbow 45° – 0,28 Elbow 30° – 0,20	PN-EN 1856-2:2009
12.	Mean value of roughness for chimney	R = 0,001 [m]	PN-EN 1856-2:2009
13.	Compressive strenght	Pass	PN-EN 1856-2:2009
14.	Freeze thaw resistance	Resistant	PN-EN 1856-2:2009
15.	Tensile strenght	NPD	PN-EN 1856-2:2009

7. Declaration of conformity no 04/2011 from 28.03.2011.
8. Performance of the product is in conformity with above declared values. This declaration of performance is issued in accordance with (EU) regulation no 305/2011, under the sole responsibility of the above identified manufacturer.

Signed for of the manufacturer by: **Lukasz Darlak – Vice-President**

Dębica, 01.07.2013  
(place and date of issue)

VICE PRZESZ ZARZADU  
(signature)  
mgr Lukasz Darlak

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