

DECLARATION OF PERFORMANCE
no 2/2017



1. Unique identification code of the product-type: **SKD – double walled acid-resistant chimney system.**
2. Intended usage of the construction product: **SKD – double walled acid-resistant chimney system** – made of acid-resistant steel sheet, used for building chimneys and chimney ducts exhausting wet fumes from oil, gas or pellet burning devices.
3. Manufacturer:



DARCO Sp. z o. o.
39-200 Dębica,
ul. Metalowców 43, Poland

4. System or systems of assessment and verification of constancy of performance of construction product: **2+**
5. Harmonized norm: **PN-EN 1856-1:2009**
Notified body no: **UE nr 1450**
Instytut Nafty i Gazu, Państwowy Instytut Badawczy
ul. Lubicz 25a, 31-503 Kraków

6. Declared performance:

No.	Essential characteristics	Performance	Harmonised technical specification
1.	Temperature class	T450	PN-EN 1856-1:2009
2.	Gas tightness (pressure class)	N1 (40[Pa])	PN-EN 1856-1:2009
3.	Condensate penetration resistance	W	PN-EN 1856-1:2009
4.	Resistance against chemicals	Resistant	PN-EN 1856-1:2009
5.	Resistance against corrosion	Vm	PN-EN 1856-1:2009
6.	Sootfire resistance	G	PN-EN 1856-1:2009
7.	Minimum distance to combustible materials	50 [mm]	PN-EN 1856-1:2009
8.	Thermal resistance	0,41 [m²K/W] determined at 450°C (dependent on DN diameter)	PN-EN 1856-1:2009
9.	Flow resistance coefficient [ζ]	Tee 90° - 1,14 Tee 45° - 0,35 Elbow 90° - 0,40 Elbow 45° - 0,28 Elbow 30° - 0,20	PN-EN 1856-1:2009
10.	Roughness value	R = 0,001[m]	PN-EN 1856-1:2009
11.	Compressive strenght	Pass	PN-EN 1856-1:2009
12.	Freeze thaw resistance	Resistant	PN-EN 1856-1:2009
13.	Wind resistance	1.5kN/m² free standing end 1.5m above the last fastening	PN-EN 1856-1:2009
14.	Tensile strenght	NPD	PN-EN 1856-1:2009

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.

Declaration of performance concerns products produced from 01.07.2013

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

WICEPREZES ZARZĄDU

Dębica 03.07.2017
(place and date of issue)

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(signature)



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