

DECLARATION OF PERFORMANCE

no 09/2023



06 1450

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

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

4. System or systems of assessment and verification of constancy of performance of construction product: **2+**
5. Harmonized norm: **EN 1856-1:2009 [PN-EN 1856-1:2009]**
Notified body: **UE no: 1450**
Oil and Gas Institute, National Research Institute
Lubicz 25a, 31-503 Kraków, Poland

6. Declared performance:

No	Essential characteristics	Performance	Harmonised technical specification
1.	Compressive strength	Pass 10 [m]	EN 1856-1:2009
2.	Resistance to fire	G (50 [mm])	EN 1856-1:2009
3.	Gas tightness / leakage	N1 (40 [Pa])	EN 1856-1:2009
4.	Flow resistance	Tee 90° - 1,14 Tee 45° - 0,35 Elbow 90° - 0,40 Elbow 45° - 0,28 Elbow 30° - 0,20 R= 1 [mm]	EN 1856-1:2009
5.	Thermal resistance	0,65 [m²K/W] determined at 600°C (dependent on DN diameter)	EN 1856-1:2009
6.	Thermal shock resistance	T600	EN 1856-1:2009
7.	Flexural tensile strength	2,5 [m] between supports 1,5 [m] over last mount 2 [m] for 45° non-vertical installation	EN 1856-1:2009
8.	Durability against chemicals	Pass, W	EN 1856-1:2009
9.	Durability against corrosion	V2 1.4404 thickness from. 0,5 to 1,0 [mm]	EN 1856-1:2009
10.	Freeze thaw	Resistant	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 sole responsibility of above identified manufacturer.

Signed for of the manufacturer by: **Łukasz Darlak – President of the Board**

Dębica 11.11.2023
(date and place of issue)



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PREZES Zarządu
Łukasz Darlak
(signature)

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