

# DECLARATION OF PERFORMANCE

no 13/2017



1. Unique identification code of the product-type: **RESF – Flexible stainless steel, acid-resistant chimney liners type DARCO-FLEX.** <sup>13</sup> 1450
2. Intended usage of the construction product: **RESF- flexible stainless steel, acid-resistant chimney liners type DARCO-FLEX** (versions RESF-CH and RESF-X) used for exhausting fumes from oil or gas 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 1856-2:2009**  
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	<b>T450</b>	PN-EN 1856-2:2009
2.	Gas tightness (pressure class)	<b>N1 (40[Pa])</b>	PN-EN 1856-2:2009
3.	Condensate penetration resistance	<b>D</b>	PN-EN 1856-2:2009
4.	Resistance against chemicals	<b>Resistant</b>	PN-EN 1856-2:2009
5.	Resistance against corrosion	<b>Vm</b>	PN-EN 1856-2:2009
6.	Sootfire resistance	<b>G</b>	PN-EN 1856-2:2009
7.	Minimum distance to combustible materials	<b>500 [mm]</b>	PN-EN 1856-2:2009
8.	Thermal resistance	<b>0 [m<sup>2</sup>K/W] no isolation</b>	PN-EN 1856-2:2009
9.	Flow resistance coefficient [ $\zeta$ ]	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
10.	Roughness value	<b>R = 0,005[m]</b>	PN-EN 1856-2:2009
11.	Mechanical strenght for tensile strenght	<b>1,5 kN</b>	PN-EN 1856-2:2009
12.	Mechanical strenght for crushing resistance	<b>0,64 kN</b>	PN-EN 1856-2:2009
13.	Mechanical strenght for flexibility	<b>3x diameter</b>	PN-EN 1856-2:2009
14.	Tensile strenght	<b>NPD</b>	PN-EN 1856-2:2009
15.	Mechanical strenght for pulling force	<b>1,5 kN</b>	PN-EN 1856-2:2009

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: **Łukasz Darlak – Vice-president**

*Dębica 03.07.2017*  
(place and date of issue)

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LD

**WICEPREZES ZARZĄDU**  
*Łukasz Darlak*  
(signature)



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