

**CE Declaration of Performance N° : DoP-DTW-1-13**

1. Unique identification code of the product:	<b>DECFLEX TW</b> (+ article code) Stainless steel flexible flue liner
2. Type- and traceability allowing identification of the construction product as required under Article 11(4):	A Unique productname and productcode is provided on the product packaging and/or product label. The declared maximum designations are: <b>EN1856-2 T200 - P1 - W -Vm - L50012 - O</b> <b>EN1856-2 T450 - N1 - D -Vm - L50012 - G</b>
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:	<b>EN1856-2:2009 :</b> Product: Flexible metal flue liners Intended use: Conveying smoke from appliance to outside atmosphere.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):	<b>Dutch Environment Corporation bv</b> Ir.hanlostr. 18-22, 7547RD, Enschede The Netherlands
5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):	<b>N.A.</b>
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	<b>System 2+</b>
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:	Notified Body <b>CERTITA</b> registration nr: <b>2270</b> Performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 2+ and issued a certificate of conformity of the factory production control.
8. Case of a construction product for which a European Technical Assessment has been issued:	<b>N.A.</b>
9. Declared performance	All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated have been determined as described in the table on the next page.
10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.	
Signed for and on behalf of the manufacturer by: signature	
S. Gul, Technical manager	
Enschede , 1 <sup>st</sup> July 2013	

## EN 1856-2:2009 - Table ZA.1b – Scope and relevant requirement clauses for flexible products

Product: Flexible metal flue liners and fittings as covered in Clause1, except terminals and supports. Intended use: Conveying smoke from appliance to outside atmosphere.			
Essential characteristics	Requirement clauses in this document(s)	Levels and/ or classes	Notes
Compressive strength	6.1.2.2 Compressive strength of fittings and supports	None	N. A.
Resistance to fire	6.2 Resistance to fire 6.2.3 Flexible flue liners and fittings	G	- Manufacturers declaration - Swedcert report - CSTB report
Gas tightness/leakage	6.3 Gas tightness	Pressure class N1 / P1	- CSTB report - Gastec certification
Flow resistance	6.4.6 Flow resistance 6.4.6.2 Flexible flue liners and fittings	To EN13384-1:2002, R=1mm Table B.4	- Normative data - Gastec Certification (Zèta)
Thermal resistance	6.4.3 Thermal resistance	NPD	N. A.
Thermal-shock resistance	6.4.1 Thermal performance at normal operating conditions	NPD	N. A.
Mechanical resistance	6.1 Mechanical resistance and stability 6.1.2 Flexible flue liners and 6.1.2.2 Compressive strength of fittings and supports		
	6.1.2.3 Tensile strength	<Ø110 - 15 meter >Ø110 - 20 meter	- Manufactures declaration - CSTB report - Gastec certification
	6.1.2.4 Crushing strength	> 100Kg	- Manufactures declaration - Gastec certification
	6.1.2.5 Flexibility	45° with max. 2 curves	- Gastec certification
	6.1.2.6 Torsion strength	EN1856-2	- CSTB report
	6.1.2.7 Pulling force	< 1kN	- Gastec certification
Durability of gas-tightness	6.3 Gas tightness	Pressure class N1 / P1	- CSTB report - Gastec certification
Durability of compressive strength	6.1.2.2 Compressive strength of fittings and supports	NPD	N.A.
Durability against chemicals	6.4.4 Water vapour diffusion resistance	NPD	N.A.
	6.4.5 Condensate penetration resistance	T200 – W	Gastec certification
Durability against corrosion	6.7.1 Durability against corrosion Annex A of EN1856-1:2009	Inside - outside: 316Ti - 316Ti Vm-L50	- EN1856-2 Table 2 – material spec
Freeze thaw	6.5.2 Freeze thaw resistance	YES	- EN1856-2

**Construction Products Regulation EU N° 305/2011**  
**EU Construction Product Directive – 89/106/EEC**