



SWEDISH TYPE APPROVAL 0025

WITH DECISION ON PRODUCTION CONTROL

KEYWORD: Air treatment installations

Holder: Dutch Environment Corporation B.V.

Ir. Hanlostraat 18-22

NL 7547 RD Enschede

Tel: +31 53 4302675

Fax +31 53 4302 685

E-post: info@decinternational.com Webb: decinternational.com

Product name: Combidec 2300 Flexible Ventilation duct

Flexible Ventilation duct (Hose) diameter 100-500 mm made of aluminium foil and wire reinforced and with an outer layer of PVC.

Intended use:

Connector between the extractor fan or cooker hood and the flue, in residential buildings. Ventilation ducts in single-family houses or in fire compartments with a net area <200 m², where flammable operations do not occur.

Approval

Products made and installed according to related documents are approved with respect to the following sections of the Swedish Building Regulations (BBR):

Class designations E15*	5:231
Flues	5:5332
Tightness Class C**	6:255

* According EN 13501-1, ISO EN 11925-2. ** According EN 13180-2001

For the intended use the products meet the following requirements of PBL, regulations governing the technical properties of materials, products etc. used in construction works Chapter 8 Section 4 about the technical characteristics of buildings and constructions.

2. Safety in case of fire
3. Protection with regard to hygiene, health and environment

Appendix 1: Associated documents	2017-01-18
Appendix 2: Product marking	2017-01-18
Appendix 3: Control	2017-01-18
Appendix 4: Basis for approval	2017-01-18

Kiwa Sverige AB
Campus Gräsvik 1
SE-371 75 Karlskrona

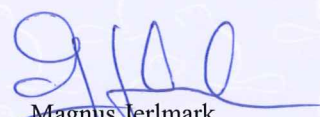
Tel +46 (0)455-30 56 00
Fax +46 (0)455-104 36
bygg@kiwa.se
www.kiwa.se



Date of decision: 2017-01-18

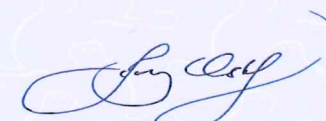
Valid until: 2022-01-17

Kiwa Sverige AB


Magnus Jerlmark
Technical manager

Ref. no: 047/17

Previous ref. no.: 093/12


Johnny Ostenfeldt
Project leader

Annex 1

Type Approval No. 0025

Product: Combidec 2300,

Holder: Dutch Environment Corp. B.V.

ASSOCIATED DOCUMENTS 18/01/2017

COMBIDEC®, http://www.decinternational.com/uk/products/laminated_ducting/combidec_2300/

Comments:

Mounting according to BBR 5:526

An example of the fire technical making of different system parts that does not need to be of class A2-s1, d0, and where acceptable demands are of Class E15:

Flues in single-family homes or *Flues* in shafts and plant-rooms, if these are when they are designed so that the fire cannot spread to or from the excavation or in a plant for the time represented by the fire resistance of the fire cell boundaries in current building component.

Flues located in the compartment where flammable operations do not occur.

Mounting according to BBR 5:5332

Connectors for kitchen flues in residential should be carried out in material (A2-s1.d0) or of materials that limits the risk of flame-spread into *Flues* adjacent to building parts or fixtures. The lowest accepted Fire Resistant class is E15.

The safety distance to combustible material, should be at least 30 mm.

Flues and connectors can be placed against combustible material by traverse of shelves or cupboard walls. Even the top and minor parts of the outside plating of cooker hoods can be placed against combustible material.

Mounting Instructions:

(Note: A Swedish version must accompany any delivery meant for the Swedish market.)

Annex 2



Type Approval No. 0025

Product: Combidec 2300

Holder: Dutch Environment Corp. B.V.

PRODUCT MARKING 18/01/2017

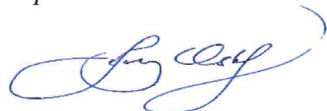
The product shall be permanently labelled with the following information:

- a. Holder: Dutch Environment Corporation B.V.
- b. Product name: Combidec 2300, Flexible Ventilation duct
- c. Traceable mark to production date.
- d. Class E15 (EN 11925-2: 2010)
- e. Kiwa Sverige  Type Approval no: 0025 and the reg. mark of Boverket: 
- f. Ackrediteringsnummer: 1913
- g. Designated Inspection Body: Eurovent Certita

Manufacturer's declaration according to § 17 of the TYP in the accompanying documents:

Manufacturer's declaration:

The manufacture of this product has been made in accordance with the Construction Products Certificate decision on production control and the documents submitted to the decision of issue of this certificate.



Johnny Ostfeldt

Kiwa Sverige AB

Annex 3**Type Approval No. 0025****Product: Combidec 2300****Holder: Dutch Environment Corp. B.V.****CONTROL 18/01/2017****Instructions for control**

Production Control must be carried out in accordance with Eurovent Certita Certification, ref. Se/14-033 or control instruction dated 2017-01-18.

Annual reporting:

The validity of the Type Approval requires that the production control is carried out and that the manufacturer annually fulfils the requirements for supervisory control. Annual supervisory control shall be conducted by the inspection body Eurovent Certita or an equivalent inspection body.

The approval holder shall send a copy of the annual report, from performed annual inspections, to Kiwa Sverige conducted by Eurovent Certita or an equivalent inspection body.

Building Control:

Building Control must be carried out through identifying the products, and control of the correct installation of the product by an expert, according to the manual.

Annex 3**Type Approval No. 0025****Product: Combidec 2300****Holder: Dutch Environment Corp. B.V.****BASIS FOR APPROVAL 18/01/2017**

The Type approval is based on:

1. Report 97E2 1660 A by SP, Sveriges Provnings- och forskningsinstitut
2. Report 97E2 1660 B by SP, Sveriges Provnings- och forskningsinstitut
3. Report 922811-16-0693-01 Reaction to Fire TÜV SÜD.
4. Audit agreement Certita, Ref. Se/14-033, dated 17th January 2014
5. Audit report, dated 2nd February 2017, Eurovent Certita.

Assessment report dated 18-01-2017 – may include the above mentioned

A handwritten signature in blue ink, appearing to read 'Johnny Ostfeldt'.

Johnny Ostfeldt

Kiwa Sverige AB

Annex 5**Type Approval No. 0025****Product: Combidec 2300****Holder: Dutch Environment Corp. B.V.****INSTRUCTIONS FOR CONTROL 18/01/2017****SCOPE OF CONTROL**

Factory Production Control shall be carried out as self- monitoring control and supervisory Factory Production Control.

The Control shall at least include the requirements of Eurovent Certita Certification, ref. Se/14-033 or control instruction dated 2017-01-18.

Self-monitoring Control

The Self-monitoring control shall ensure that the Certified Product, corresponds with the Certificate during the validity period. Change in materials or performance must immediately be reported to Kiwa Sweden.

The Self-monitoring control must include:

1. Receiving, handling and control of incoming materials and components.
2. Control of that products meet the requirements and, that the products are not changed.
3. Testing of products according to test plan (Leakage and fire)
4. Marking of products according to annex 2 in the certificate.
5. Delivery control including installation instructions

Self-monitoring control shall be documented in logs.

Supervisory Control

Supervisory control must be performed by an accredited inspection body at least once a year at the Holder's.

At least the following should be checked:

1. The Management system for quality - organization and implementation
2. The implementation of the Self-monitoring Control – control of logs under Self-monitoring Control.
3. Reception, handling and control of incoming materials and components
4. Testing according to testing plan (Leakage and fire)
5. Calibration of the Holders equipment, used for testing
6. Control of products , -if they meet the requirements and have not changed
7. Control of deliverance, including installation instructions
8. Measures taken by cassation and preventive actions
9. Marking of the Product according to The Building Product Certificate, annex 2

Annual reporting

The validity of The Building Product Certificate requires, that the Self-monitoring Control is taking place according to this 'Scope of Control', and that the Annual Control is conducted and reported, by You as The Holder of this Certificate issued by Kiwa Sweden



Johnny Ostenfeldt