

## Quality declaration

### Vent-Axia Uniflexplus+ 69

Vent-Axia B.V. hereby declares that measurements on the **Uniflexplus+ 69** semi-rigid ducting system were carried out according to the **EN17192:2019** "Ventilation for buildings – Ductwork – Non-metallic ductwork – Requirements and test methods".

The results of the measurements according to **EN17192:2019** are presented in the Peutz report **B1382-2E-RA-004** (18 January 2022).

In addition, Vent-Axia B.V. declares the reaction to fire for the **Uniflexplus+ 69** semi-rigid ductwork (Peutz report Y2543-3E-RA) and the presence of antistatic and antibacterial properties in the inner layer of the ductwork and the **Uniflexplus+ 69** system components made from polypropylene.

#### Pressure drop

Tests of the pressure drop of the **Uniflexplus+ 69** system components are summarized in commercial documentation based on the Peutz report **B1382-2E-RA-004**.

#### Airtightness

The tested system complies with airtightness class **ATC1**: -2000 Pa to +2000 Pa (Peutz report **B1382-2E-RA-004**).

#### Service temperature

The operating temperature range for the use of the ventilation ductwork is -20°C to +60°C (Peutz report **B1382-2E-RA-004**).

#### Resistance to external pressure

Measurement of the resistance of external pressure of the ductwork is set at 116 Newton per average sample length of 200 mm (Peutz report **B1382-2E-RA-004**).

Ductwork ring stiffness according to **ISO 9969**:  $\geq 8,5 \text{ kN/m}^2$  (internal test).

#### Reaction to fire classification

The ductwork is tested according to **EN 13501:2018** and has classification **E** (Peutz report **Y2543-3E-RA**).

#### Material

The ductwork is made from physiological and toxicological harmless HDPE and LDPE, new and pure material without recycled additives, odour free.

#### Anti-bacterial properties

To ensure anti-bacterial performance, special additives are used for the inner ductwork layer and the **Uniflexplus+ 69** system components made from polypropylene. The inner ductwork layer complies with the EU Biocidal Products Regulation (**No. 528/2012**). The internal ductwork layer is tested according to **ISO 846** (11/2020) method A and method C.

#### Anti-static properties

The anti-static effect of the inner ductwork layer is based on an amine-free, migrating additive, which binds moisture from the ambient air to the surface of the inner ductwork layer and thus creates an electrostatic dissipating surface.

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**Vent-Axia B.V.**

  
Francois Chermin  
Managing Director