

This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Verplas Ltd – Self-Seal System 125

Description of Product

This product has been certified by the Building Research Establishment for its air leakage characteristics in accordance with the current Building Regulations. The product is a self-sealing ventilation ducting system comprising of pipes and self-seal couplings (125mm p/a which together with other fittings will allow a mechanical ventilation system to be constructed from these products – duct size per certificate A, B and C.



Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire

Validity

This certificate was first issued on 20th August 2015 and is valid until 20th August 2019
Issue Dated 5th January 2017

Scope of Registration

To demonstrate building regulation compliance for air leakage within the ducting systems when used in a mechanical ventilation system within buildings.

The registered detail is for ducting pipe and couplings only and not for a full ventilation system. The product can only be used on the inside of a thermal envelope and must not breach fire walls and floors unless designed to do so.

No information or allowance has been made for the following;

- Penetrations of structural elements
- Fire safety
- Acoustics
- Thermal performance
- Condensation control
- Completed installation testing

Conditions of Certificate

This certificate only relates to the fact that the couplings and ducting have been tested and surpass the building regulation limit on air leakage.

In total three duct specifications have been assessed;

- 1 125mm diameter duct and self-sealing couplings and support bracket (LABC Certificate: EW613A)
- 2 204 x 60mm rectangular duct with self-sealing couplings and support bracket (LABC Certificate: EW613B)
- 3 220 x 90mm rectangular duct with self-sealing couplings and support bracket (LABC Certificate: EW613C)

Support brackets are to be fixed at a maximum of 750mm centres.

If the ducting is to be placed in areas that are unheated consideration is to be given to lay the ducting to falls to prevent condensation and water entrapment and provide a suitable trapped water outlet to a foul sewage connection.

Penetrations through fire construction and structural construction to be assessed on their own merit individually.

LABC consider that, Ventilation System 125, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) England & Wales

Regulation 7 Materials and workmanship

Note: The products are acceptable.

AD B Fire Safety

Note: Subject to limitations detailed in Conditions section.

AD F Ventilation

Note: Subject to limitations detailed in Conditions section.

Domestic ventilation compliance guide 2010

Domestic building services compliance guide 2010



The Building Regulations 2010 (as amended) England

AD L1A&L2A Conservation of fuel and power

Domestic building services compliance guide 2013 England



The Building Regulations 2010 (as amended) Wales

AD B Fire Safety

Note: Subject to limitations details within the Conditions section.

AD L1A&L2A Conservation of fuel and power



The Building (Scotland) Regulations 2004 (as amended)

If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at www.labss.org

Non-Regulatory Information



LABC Warranty

The use of the Self-Seal System 125 has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

Verplas self seal couplings technical leaflet

Styrolution PS 495N technical datasheet

Quality of manufacture technical datasheet

Drawings V531 compression fitting, V556 and V558

Verplas vkc354c fixing clip

Verplas vkc610c fixing clip

BRE report No 298279

BRE report No 297345

BRE report No 291695

BRE report No 691697

BRE report No 288446

BRE report No 285430

VSSC204DF

VSSC204DD

VSSC220DF

VSSC220DD

VSSC125PP

VSSC125PF

DW154 ducting standard for PVC ducts

NHBC Standards 2014 Chapter 3.2 'Mechanical ventilation with heat recovery' see D3(g) and M4(b)

LABC Warranty Technical Manual Chapter 9.4 Heating & mechanical services see 9.4.8

Contact Information

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