Laboratory for Fire Safety

Classification of reaction to fire in accordance with EN 13501-1:2018 of EasyAir Ventilatiekanaal EPS

Classification report

Reportnumber Y 3546-5E-RA-001 d.d. 19 December 2025

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Classification report

Client	M&G Group Burgemeester Grollemanweg 14 9405 TN Assen The Netherlands
Issued by	Peutz bv Lindenlaan 41 NL-6584 AC MOLENHOEK PO Box 66 NL-6585 ZH MOOK The Netherlands
Notified body no.	NB 2264
Product	**EasyAir Ventilatiekanaal EPS**
Report number	Y 3546-5E-RA-001
Date	19 December 2025
Reference	JN/KGr/ /Y 3546-5E-RA-001
Representative	drs. J.G. Nienhuis
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Revision history report

In the table below, the already issued versions of this document are shown. A brief description of the modifications is made.

Revision number	Date	Document status	Modified sections [chapter/paragraph]	Description of the modifications
n.a.	16/12/2025	Draft	n.a.	n.a.
-001	17/12/2025	Final	Whole of document	Added missing information - Changed client address - Changed 'coupling' to 'sleeve joint'

1 Introduction

On behalf of M&G Group an investigation was performed with respect to the reaction to fire properties of EasyAir ventilatiekanaal EPS.

This classification report defines the reaction to fire classification of the product in accordance with the procedures described in EN 13501-1:2018.

TESTEN
RvA L 334

For performing measurements, the Laboratory for Fire Safety of Peutz bv is recognized by the Dutch Accreditation Body RvA..

The RvA is member of the **EA MLA** (**E**uropean **A**ccreditation Organisation **M**ulti**L**ateral **A**greement). www.european-accreditation.org

EA: "Certificates and reports issued by bodies accreditatie by MLA and MRA members are considered to have the same degree of credibility, and are accepted in MLA and MRA countries".

2 Product description

2.1 General

The information in this chapter is based on information provided by the client.

The product investigated is EasyAir ventilatiekanaal EPS, hereinafter also called 'the product'. The intended application is rigid or semi-rigid non-metallic ductwork which are used for ventilation and air conditioning of buildings.

2.2 Product standard

The relevant European product standard is EN 17192:2019[1], hereinafter also called EN 17192. This European product standard has not yet been referenced in the Official Journal of the European Union (OJEU).

[1] The product standard EN 17192:2019 is not within the scope of accreditation of the Fire Safety Laboratory.

2.3 Product identification

The most important parameters for identifying the product are summarized in Tables t 2.1 and t 2.2.

t 2.1 General information of product to be tested

Product		
Date of delivery		09/09/2025
Commercial name	EasyAir ventilatiekanaal EPS	
Produced by	Name	M&G Group
	Address	Burgemeester Grollemanweg 14
	Production location	9405 TN Assen
Sampling	Date	05/09/2025
	Performed by	Mr. S. Post-Miyazaki (M&G Group)

Peutz was not involved in the selection of the test specimen (or of its materials). The laboratory cannot make any declaration about the representativeness of the provided specimen and the samples made available. The results apply to the sample as received.

t 2.2 Additional information of product to be tested

Product		**Nominal value**
Description		
Composition	Material	
- Duct	Expandable polystyrene	
	- Internal diameter	125 / 160 / 180 / 200 mm
	- Wall thickness	16 mm
	- Density	45 kg/m³
- Sleeve joint	Polypropylene copolymer	
	- Internal diameter	125 / 160 / 180 / 200 mm
	- Density	900 kg/m³
(sleeve joint rubber)	Thermoplastic Elastomer	
	- Density	900-1200 kg/m³
- Mounting bracket	Polypropylene copolymer	
	- Internal diameter	125-160 / 180-200 mm
	- Wall thickness	1.8 mm
	- Density	900 kg/m³
Total thickness		48 mm
Fire retardant additive	Inside compound material of the ducts, complies with REACH	
Colour	Grey	
Surface	Smooth	

The values mentioned are the nominal values as given by the client.

3 Reports and results in support of this classification

3.1 Reports

The classification is based on the reports listed in Table t 3.1. The client has confirmed that these are the most recent versions of the reports and that they have not been withdrawn by the laboratory that prepared them. The client has also confirmed that the aforementioned reports may be used for the present classification.

t 3.1 Reports in support of classification

Name of laboratory Name of client	Number and date of report	Test method Field of application rules
Peutz bv, NB 2264	Y 3546-4E-RA dated 19/12/2025	EN ISO 11925-2:2020

3.2 Results

The results obtained are summarized in Table t 3.2.

t 3.2 Summary of results EN-ISO 11925-2

Flame application time 15 s				Results	
		Parameter	Number of tests	Continuous parameters (average)	Compliance parameters
Var. A	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. B	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. C	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. D	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. E	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. F	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. G	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. H	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N
Var. I	Surface exposure	$F_s \leq 150$ mm	6	-	Y
		Ignition of filter paper		-	N

3.3 Classification criteria

The classification to be obtained is based on the classification criteria given in EN 13501-1. In Tables t 3.3 and t 3.4 these criteria are summarised.

t 3.3 Classification criteria E or F (construction products excl. floorings and linear pipe thermal insulation)

Test	Parameter	Class	
	(compliance)	E	F
EN-ISO 11925-2	Flame spread $F_s \leq 150$ mm	Y	N

t 3.4 Additional classification criteria E (construction products excl. floorings and linear pipe thermal insulation)

Test	Parameter	Class		
	(compliance)	d0	d1	d2
EN-ISO 11925-2	Ignition of filter paper	-	-	Y

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2 Classification

The product, EasyAir ventilatiekanaal EPS, has been classified to its reaction to fire behaviour as: E.

Reaction to fire classification:

E

4.3 Field of application

The classification is valid for the product parameters and end-use applications as stated in Tables t 4.1 and t 4.2.

t 4.1 Product parameters

Parameter		
Product	EasyAir ventilatiekanaal EPS	
Inner diameter	125 / 160 / 180 / 200	[mm]
Wall thickness	16	[mm]
Density	45	[kg/m^3]
Fire retardant	Inside compound material of the ducts, halogen-based, complies with REACH	
Colour	Grey	
Geometry and structure	Circular duct	
Surface	Smooth	

t 4.2 End-use parameters

Parameter	
Substrate	Applied to any substrate of at least reaction to fire classification A2-s1,d0 with a thickness of at least 9 mm and having a density of ≥ 653 kg/m^3, excluding paper faced gypsum plasterboard.
Mounting	The EasyAir universal bracket is used for securing the EasyAir duct sections.
Joints	The EasyAir duct sections are interconnected with the EasyAir sleeve joints.
Cavity	Behind the EasyAir duct sections, a ventilated cavity with a depth of 10 mm to 15 mm was present due to the curvature of the duct sections.
Other	Intended use as rigid or semi-rigid non-metallic air ducts, designed for ventilation and air conditioning systems in buildings.

5 Limitations

There are no limits in time on the validity of this classification document.

This classification document does not represent type approval or certification of the product.

Haps,

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Senior project manager

H.H.A. Leenders, BSc.
Head of Laboratory for Fire Safety

This report contains 12 pages.