Construction Products
Regulation (305/2011/EU)

smart building.

DECLARATION OF PERFORMANCE (DoP)
Version 02/2025/ALU VENT 45

1. Unique identification code of the product-type:

   DuoFOIL **ALU VENT 45**

2. Intended use/es:

   A vapour-open product used to insulate pitched roofs, exterior and interior walls and under ground floors in buildings.

3. Manufacturer:

   Duofor B.V., Postbus 182, 5100 AD Dongen, The Netherlands

4. Authorised representative:

   Not applicable

5. Reference number of the European Assessment Document:

   040007-00-1201

6. EU decision number (OJEU):

   305/2011/EC

7. The system or systems for assessing and verifying performance consistency:

   System 3

8. Harmonised technical specification:

   ETA 24/1239 - 20251230, issued 30/12/2025

9. Notified body/ies:

   Not applicable

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10. Declared performances:

	Essential characteristic	**Results of Product performance assessment**
(1)	(2)	(3)
Basic Works Requirement 2: Safety in case of fire		
1	Reaction to fire	Class F
Fundamental work requirements 6: Energy saving and heat retention		
2	Biological resistance	Not relevant
3	Corrosion developing capacity	Not relevant
4	Specific airflow resistivity	Not relevant
5	Dynamic stiffness	Not relevant
6	Impact sound reduction	Not relevant
7	Compressibility	Not relevant
8	Sound absorption	Not relevant
9	Thermal core resistance	R_D = 1,20 m^2.K/W
10	Durability of thermal resistance against ageing/degradation	According to ageing procedure for emissivity procedure (point 11)
11	Emissivity (after ageing)	$\varepsilon_{90/90}$ = 0,03 accordance EAD rounded ε_d = 0,05
12	Water vapour diffusion resistance	µd = 0,0736 (m +/- 0,01m)
13	Water absorption at short term, partial immersion	W_a = 0,19 kg/m^2 (Top side submerged) W_a = 0,25 kg/m^2 (Bottom side submerged)
14	Watertightness	Not relevant
15	Geometry	Nominal length (mm): 10000, -2/+5% Nominal width (mm): 1200; 1500, ± 2%
		Thickness (mm): -2/+10% Beginning of the roll: 40,0 Middle of the roll: 39,0 End of the roll: 38,7
16	Apparent density	19,0 kg/m^3
17	Squareness	Not relevant
18	Compressive stress or strength for products exposed to compression loads	Not relevant
19	Dimensional stability under specified temperature and humidity conditions (48 hours at 70 °C and 50% RV) in %	Dimensional change Length: $\Delta\varepsilon_l$ -1,17 Width: $\Delta\varepsilon_w$ +0,4 Thickness: $\Delta\varepsilon_d$ +63,1

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20	Tensile strength parallel to faces	160 kPa
21	Tensile strength perpendicular to surfaces	130 kPa
22	Resistance to tearing	Initially (N) Longitudinal: 155 Transverse: 160 After thermal ageing (70°C/90% RH) (N) Longitudinal: 120 Transverse: 145
23	Initial Peel strenght of the het product After aging	Initially (N) Min. 11,8/ max. 16,4/ av. 14,7 Min. 12,3/ max. 16,8/ av. 15,3
24	Compressive creep for products exposed to compression load	Not relevant
25	Behaviour under point load for products exposed to compression load	Not relevant

11. The performance of the product described above is in accordance with the stated performance. This declaration of performance is provided in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer mentioned.

Signed for and on behalf of the manufacturer by:

Duofor B.V.

E.J. Pieters, director

Dongen op 24-03-2026

