

DECLARATION OF PERFORMANCE (DoP)
Versie 01/2025/ALU SEAL 45

1. Unique identification code of the product-type:
DuoFOIL ALU SEAL 45
2. Intended use/es:
A vapour-proof 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 24/1240 - 20251210, issued 10/12/2025
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 E
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	$R_D = 1,25 \text{ m}^2 \cdot \text{K/W}$
10	Durability of thermal resistance against ageing/degradation	According to ageing procedure for emissivity procedure (point 11)
11	Emissivity (after ageing)	$\epsilon_{90/90} = 0,023$ accordance EAD rounded $\epsilon_d = 0,05$
12	Water vapour diffusion resistance	N.P.D.
13	Water absorption at short term, partial immersion	$W_a = 0,23 \text{ kg/m}^2$ (Top side submerged) $W_a = 0,35 \text{ kg/m}^2$ (Bottom side submerged)
14	Watertightness	Not relevant
15	Geometry	Nominal length (mm): 10000, -2/+5% Nominal width (mm): 1200; 1500, $\pm 2\%$ Thickness (mm): -2/+10% Beginning of the roll: 42,6 Middle of the roll: 39,4 End of the roll: 39,6
16	Apparent density	$20,5 \text{ kg/m}^3$
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% RH) in %	Dimensional change Length: $\Delta\epsilon_l -3,1$ Width: $\Delta\epsilon_w +2,5$ Thickness: $\Delta\epsilon_d +64,2$

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20	Tensile strength parallel to faces	130 kPa
21	Tensile strength perpendicular to surfaces	110 kPa
22	Resistance to tearing	Initially (N) Longitudinal: 130 Transverse: 175 After thermal ageing (70°C/90% RH) (N) Longitudinal: 95 Transvers: 125
23	Initial Peel strenght of the het product After aging	Initially (N) Min. 6,2/ max. 20,5/ av. 15,5 Min. 12,4/ max. 32,0/ av. 20,6
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 15-12-2025

