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European Technical Assessment

ETA 24/0551
of 12/03/2026

General part

Technical Assessment Body issuing the ETA: SGS INTRON Certificatie B.V.	
Trade name of the construction product	Durafloc Eco / Cyclewool
Product family to which the construction product belongs	Thermal insulation made of loose mineral wool
Manufacturer	Devilee Insulation B.V. Galjoenweg 5 6222 NS, Maastricht Netherlands
Manufacturing plant(s)	Devilee Insulation B.V. Galjoenweg 5 6222 NS, Maastricht Netherlands
This European Technical Assessment contains	9 pages, including 1 annex which forms an integral part of this assessment
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	European Assessment Document EAD 040729-00-1201, edition December 2015 – “Thermal insulation made of loose mineral wool”

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Specific part

1. TECHNICAL DESCRIPTION OF THE PRODUCT

This European Technical Assessment (ETA) applies to Durafloc Eco / Cyclewool insulation. Durafloc Eco / Cyclewool is a thermal insulation product made of loose-fill mineral wool (MW).

Durafloc Eco / Cyclewool is made from recycled mineral wool material. The recycled source material is mineral wool as described in standard EN 13162: "Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification". The recycled mineral wool products are processed and mixed to obtain a homogeneous loose-fill mineral wool product.

Durafloc Eco / Cyclewool is delivered in the following quality, with distinguishable density, as described in table 1.1.

Table 1.1. Durafloc Eco / Cyclewool characteristics

Trade name	Weight (kg/m ³)	Delivered as	Delivered as
Durafloc Eco/ Cyclewool	30-35	Loose-fill material in packaging	Free placed insulation
	42-65		Insulation placed in cavities

2. SPECIFICATION OF THE INTENDED USE(S) IN ACCORDANCE WITH THE APPLICABLE EUROPEAN ASSESSMENT DOCUMENT (HEREINAFTER EAD)

The thermal insulation material serves for the production of insulation layers, not exposed to compression loads, by means of machine processing at the place of use. The machine processing is carried out in dry conditions.

The thermal insulation product Durafloc Eco / Cyclewool can be used for the following intended use:

- Exposed insulation on horizontal or moderately pitched areas ($\leq 10^\circ$) (e.g. on the ceiling, or in between beams).
- Space-filling insulation in closed cavities of external and interior walls of timber frame constructions and similar structures.
- Insulation in closed cavities between rafters and timber beams as well as in cavities of corresponding structures.

The performances given in section 3 are only valid if the conditions laid down in the accompanying product data sheets and in the processing instructions given by the manufacturer have been respected throughout the production, processing, packaging, transport and storage of Durafloc Eco / Cyclewool. Further information on handling of the Durafloc Eco / Cyclewool insulation is given in Annex A.

The provisions made in this ETA are based on an assumed intended working life of the reflective sheeting of 50 years, provided that the conditions laid down for the manufacture, packaging, transport and storage are met.

The indications given on the working life cannot be interpreted as a guarantee given by the producer but are to be used as a means for choosing the right products in relation to the expected economic working life of the construction.

3. PERFORMANCE OF THE PRODUCT AND REFERENCES TO THE METHODS USED FOR ITS ASSESSMENT

3.1. Mechanical safety and stability (BWR 1)

Not applicable

3.2. Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Class A1 <i>(In accordance with EC decision 96/603/EC)</i>
Organic content <i>(tested according to EN 13820:2003)</i>	≤ 7,3% (m/m)
Propensity to undergo continuous smouldering <i>(tested according to EN 16733:2016)</i>	Test passed – The products show no propensity to undergo continuous smouldering

3.3. Hygiene, health and the environment (BWR 3)

Not applicable

3.4. Safety and accessibility in use (BWR 4)

Not applicable

3.5. Protection against noise (BWR 5)

Not applicable

3.6. Energy economy and heat retention (BWR 6)

Essential characteristic	Performance
Thermal conductivity	Declared value for a moisture content of the insulation material at 23°C and 50% relative humidity ¹ : $\lambda_d (23/50) = 0,035 \text{ W/mK}$ for density range 30 - 35 kg/m ³ $\lambda_d (23/50) = 0,034 \text{ W/mK}$ for density range 42 - 65 kg/m ³
Conversion of humidity (acc. to EN ISO 10456:2007+AC:2009) moisture conversion factor (23 °C/50 % rel. humidity to 23 °C/ 80 % rel. humidity):	$F_m = 1,00$
Short term water absorption	No performance declared
Long term water absorption	No performance declared
Bulk density	21,7 kg/m ³ (free placing) 36,8 kg/m ³ (closed cavities)
Water repellency	No performance declared
Water vapour transmission (water vapour diffusion resistance factor)	$\mu = 1$
Settlement	
- Setting of loose fill insulation applied in ceilings	$\leq 5\%$ at a minimum bulk density of 29 kg/m ³ and a maximum thickness of 330 mm
- Setting of loose fill insulation applied in cavities of walls and between rafters	SC 0 - at a minimum bulk density of 39 kg/m ³ and a maximum thickness of 100 mm - at a minimum bulk density of 42 kg/m ³ and a maximum thickness of 240 mm (according to EN 15101-1:2013 ($\leq 1\%$))
- Setting of loose fill insulation under constant temperature and humidity conditions	No performance declared
- Setting under cyclical temperature and cyclic humidity	No performance declared
Airflow resistivity (tested according to EN 29053:1993, Method A, in accordance with EN 14064-1: 2010)	$\geq 6,2 \text{ kPa}\cdot\text{s/m}^2$ at a minimum bulk density of 30 kg/m ³ $\geq 12,4 \text{ kPa}\cdot\text{s/m}^2$ at a minimum bulk density of 40 kg/m ³

3.7. Sustainable use of natural resources (BWR 7)

For the sustainable use of natural resources no performance was investigated for this product.

¹ The declared value is representative for at least 90 % of the production with a confidence level of 90 % and applies to the above-named density range. For the admissible deviation of an individual value of the thermal conductivity from the declared value the method described in EN 13172:2012, annex F, applies.

4. ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (AVCP) SYSTEM APPLIED, WITH REFERENCE TO ITS LEGAL BASE

In accordance with EAD No 040729-00-1201, the applicable European legal act is: Decision 1991/91/EC. The system(s) to be applied is: 3.

Additionally, for reaction to fire including propensity to undergo continuous smouldering, the applicable European legal act is: Decision 2001/596/EC. The system(s) to be applied with regard to reaction to fire is: 3.

5. TECHNICAL DETAILS NECESSARY FOR THE IMPLEMENTATION OF THE AVCP SYSTEM, AS PROVIDED FOR IN THE APPLICABLE EAD

5.1. Tasks for the ETA-holder

The cornerstones of the actions to be undertaken by the manufacturer of the product in the process of assessment and verification of constancy of performance are laid down in clause 3.2 of the European Assessment Document 040729-00-1201.

The manufacturer is allowed to use similar test or control methods, using different equipment and test samples under different conditions, as long as the manufacturer ensures constant product performances, but the frequency of control shall be respected.

5.2. Tasks of notified bodies

The cornerstones of the actions to be undertaken by the notified body in the process of assessment and verification of constancy of performance are laid down in clause 3.3 of the European Assessment Document 040729-00-1201.

6. REFERENCE LIST

MPA NRW Prüfbericht 432000482-23-E-02a of 25-3-2024 (airflow resistivity at 40 kg/m³)

MPA NRW Prüfbericht 231001988-1 of 27-3-2024 (reaction to fire tests – EN ISO 1182)

MPA NRW Prüfbericht 231001988-2 of 27-3-2024 (reaction to fire tests – EN ISO 1716)

MPA NRW Bericht zur Klassifizierung des Brandverhaltens of 27-3-2024

MPA NRW Prüfbericht 231001988-4 of 27-4-2024 (propensity to undergo continuous smouldering)

MPA NRW Prüfbericht 423000856-26-E-01 of 18-2-2026

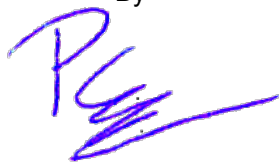
MPA NRW Prüfbericht 423000856-26-E-02 of 18-2-2026

MPA NRW Prüfbericht 423000856-26-E-03 of 19-2-2026

MPA NRW Prüfbericht 423000856-26-E-03 of 20-2-2026

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By



P. Crucq
TAB Representative

ANNEX A INSTRUCTIONS ON HANDLING OF DURAFLOC ECO / CYCLEWOOL

The performances of the thermal insulation products given in Section 3 are valid if the following will be considered concerning installation and use:

- Densities at built-in stage:

Area of application	Density [kg/m ³]
Exposed insulation on horizontal or moderately pitched areas ($\leq 10^\circ$) (e. g. on the ceiling or between beams)	30 – 35
Space-filling insulation in closed cavities of external and interior walls of timber frame constructions and similar structures	42 – 65
Insulation in closed cavities between rafters and timber beams as well as in cavities of corresponding structures	42 – 65

- The density is determined by calculation as a quotient from the mass of the material brought in and the full volume.
- The thermal insulation layer has a constant installation thickness taking account of the nominal thickness. For that purpose, suitable height marks are arranged by the executing company in sufficient distances before the processing. The executing company check the installation thickness and the density.
- When calculating the thermal resistance of the construction elements, the nominal thickness of the thermal insulation layer is applied as follows:

Processing of the insulation material	Nominal thickness
Exposed insulation on horizontal or moderately pitched areas ($\leq 10^\circ$) (e. g. on the ceiling or between beams)	installation thickness of the insulation material minus 5%
Space-filling insulation in closed cavities of external and interior walls of timber frame constructions and similar structures	Clear span of the filled cavity
Insulation in closed cavities between rafters and timber beams as well as in cavities of corresponding structures	Clear span of the filled cavity

- The requirements concerning ventilation openings and the ventilation section above the thermal insulation layer are considered.
- In case of installation on pitched or arched areas slipping of the thermal insulation product is prevented by suitable measures.
- In case of use as space-filling thermal insulation in closed cavities it is made sure by appropriate measures (e.g. control drillings) that the cavity is completely filled with the thermal insulation product.
- In case of installation in timber frame constructions, it must be checked in advance that the structure is dry and properly protected against moisture. Suitable vapor retarders and water-resistant membranes must be installed. The insulation must be kept dry at all times, as moisture can affect performance.
- The thermal insulation products are only processed by companies which have adequate experience in installing the material.

- The executing company provides an installer's declaration as indicated in EN 14064-2 which contains the following information with reference to this European Technical Assessment:
 - thermal insulation product made of loose mineral wool.
 - trade names.
 - executing company.
 - building project and building component.
 - date of installation.
 - installation thickness.