Deutsches Institut für Bautechnik

Public-law institution jointly founded by the federal states and the Federation

European Technical Assessment Body for construction products

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European Technical Assessment ETA-18/0889 of 2 March 2026

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:	Deutsches Institut für Bautechnik
Trade name of the construction product	URSA PUREFLOC Frame, URSA PUREFLOC Cavity
Product family to which the construction product belongs	Thermal insulation made of loose mineral wool
Manufacturer	URSA Deutschland GmbH Carl-Friedrich-Benz-Straße 46-48 04509 Delitzsch DEUTSCHLAND
Manufacturing plant	See Annex B
This European Technical Assessment contains	8 pages including 2 annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with Article 95(4) of Regulation (EU) No 2024/3110, on the basis of	EAD 040729-00-1201
This version replaces	ETA-18/0889 issued on 1 January 2019

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Specific Part

1 Technical description of the product

The European Technical Assessment applies to the thermal insulation product made of loose mineral wool with the designation:

"URSA PUREFLOC Frame" und "URSA PUREFLOC Cavity"

The mineral fiber products are manufactured without binding agents.

"URSA PUREFLOC Cavity" is manufactured with an additional hydrophobic agent during the manufacturing process.

The European Technical Assessment has been issued for the products on the basis of agreed data/ information, deposited with Deutsches Institut für Bautechnik, which identifies the product that has been assessed. The European Technical Assessment applies only to products corresponding to this agreed data/information.

2 Specification of the intended use in accordance with the applicable European Assessment Document

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 "URSA PUREFLOC Frame" can be used for the following intended uses:

- Exposed insulation on horizontal or moderately pitched areas (≤ 10°) (e. g. on the ceiling or 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 thermal insulation product "URSA PUREFLOC Cavity" is usable as follows:

- Double wall masonry with core insulation (Cavity completely filled)

The performances given in Section 3 are only valid if the thermal insulation product is installed according to the manufacture's installation instructions, used in compliance with the specifications and conditions given in Annex A and if they are protected from precipitation, wetting or weathering in built-in state and during transport, storage and installation.

The design value of the thermal conductivity shall be laid down according to relevant national provisions.

3 Performance of the product and references to the methods used for its assessment

For sampling, conditioning and testing the provisions of the EAD No. 040729-00-1201 "Thermal insulation made of loose mineral wool".

3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire Organic content test acc. to EN 13820:2003	Class A1 in accordance with EC decision 96/603/EC ≤ 1,00 M.-%
Propensity to undergo continous smouldering test acc. to EN 16733:2016	Test passed – The product shows no propensity to undergo continous smouldering

3.2 Energy economy and heat retention (BWR 6)

Essential characteristic	Performance
Thermal conductivity at mean reference temperature of 10 °C test acc. to EN 12667:2001 in accordance with EN 14064-1:2010	Declared value for a moisture content of the insulation material at 23 °C and 50 % relative humidity: [1]
URSA PUREFLOC Frame	density range[2] 20 kg/m³ ≤ ρ ≤ 25 kg/m³: $\lambda_{D(23,50)}$ = 0,036 W/(m ·K) density range[3] 30 kg/m³ ≤ ρ ≤ 40 kg/m³: $\lambda_{D(23,50)}$ = 0,034 W/(m ·K)
URSA PUREFLOC Cavity	$\lambda_{D(23,50)}$ = 0,034 W/(m ·K)
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 ("URSA PUREFLOC Cavity")	W_p ≤ 1,0 kg/m² (WS acc. to EN 14064-1)
Long term water absorption	No performance assessed
Bulk density	
In case of free placing (exposed insulation) ("URSA PUREFLOC Frame ")	20 kg/m³ ≤ ρ ≤ 25 kg/m³
In case of use in closed cavities (space-filling) ("URSA PUREFLOC Frame ")	30 kg/m³ ≤ ρ ≤ 40 kg/m³
In case of use as core insulation ("URSA PUREFLOC Cavity")	30 kg/m³ ≤ ρ ≤ 40 kg/m³
Water repellency ("URSA PUREFLOC Cavity") water absorption after 4 h water absorption after 28 d	 0,5 kg/m² 1,0 kg/m²
Water vapour diffusion resistance coefficient	μ = 1

[1] The declared value is representative for at least 90 % of the production with a confidence level of 90 % and applies to the density range in accordance with annex A.

[2] exposed insulation

[3] space-filling

Essential characteristic	Performance
Settlement	
Settling under impact excitation in the case of free placing (e. g. on the ceiling or between beams)	≤ 10 % at a minimum bulk density of 20 kg/m³ and a maximum thickness of 330 mm
Settling under vibration in wall cavity and between beams	SC 0 acc. to EN 15101-1:2013 at a minimum bulk density of 30 kg/m³ and a maximum thickness of 240 mm
Settling under defined climatic conditions	No performance assessed
Airflow resistance[4] test acc. To EN 29053:1993, Method A	≥ 10,0 kPa·s/m² at a minimum bulk density of 20 kg/m³ ≥ 20,0 kPa·s/m² at a minimum bulk density of 30 kg/m³

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with the European Assessment Document EAD No. 040729-00-1201, the applicable European legal act is: 1999/91/EC.

The system to be applied is: 3

In addition, with regard to reaction to fire the applicable European legal act is: 1999/91/EC (in accordance with the decision 96/603/EC).

The system to be applied is: 4

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin 2 March 2026 by Deutschen Institut für Bautechnik

Frank Iffländer
Referatsleiter

beglaubigt:
Meyer

[4] Also relevant in terms of BWR 5

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URSA PUREFLOC Frame, URSA PUREFLOC Cavity

ANNEX A

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/m³]
Exposed insulation on horizontal or moderately pitched areas (≤ 10°) (e. g. on the ceiling or between beams) ("URSA PUREFLOC Frame")	20 ≤ ρ ≤ 25
Space-filling insulation in closed cavities of external and interior walls of timber frame constructions and similar structures ("URSA PUREFLOC Frame")	30 ≤ ρ ≤ 40
Insulation in closed cavities between rafters and timber beams as well as in cavities of corresponding structures ("URSA PUREFLOC Frame")	30 ≤ ρ ≤ 40
Double wall masonry with core insulation (Cavity completely filled) ("URSA PUREFLOC Cavity")	30 ≤ ρ ≤ 40

- 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 be 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 (≤ 10°) (e. g. on the ceiling or between beams)	installation thickness of the insulation material minus 10 %
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
Double wall masonry with core insulation (Cavity completely filled)	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 as core insulation it is checked in advance that the facing wall is in a proper condition and has no moisture penetration. Cracks or imperfections in the masonry joints are to be repaired before installing the insulation.

- The thermal insulation products are only processed by companies stated in a list of the manufacturer which have adequate experience in installing the material. Concerning this matter the manufacturer has trained these companies.
- The executing company issue a certificate which contains the following information with reference to this European Technical Assessment for each application place:
  - Thermal insulation product made of loose mineral wool
  - trade names
  - executing company
  - building project and building component
  - date of installation
  - installation thickness

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URSA PUREFLOC Frame, URSA PUREFLOC Cavity

ANNEX B

Manufacturing plants

URSA BENELUX BVBA
Industriezone 7- Pitantiestraat 127
B- 8792 Desselgem
Belgium

URSA IBÉRICA AISLANTES, S.A.
Crta. Vila-Rodona, km 6,7
43810 – El Pla de Sta Maria
Tarragona-Spain