

Approval body for construction products  
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and  
Laender Governments



## European Technical Assessment

**ETA-23/0281**  
**of 21 September 2023**

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

"Bona U300 Dämmunterlage 2 mm, 3 mm, 5 mm"

Product family  
to which the construction product belongs

Underlay

Manufacturer

Bona AB Germany  
Auf dem Aurain 6  
65553 Limburg  
DEUTSCHLAND

Manufacturing plant

Bona AB Germany  
Auf dem Aurain 6  
65553 Limburg  
DEUTSCHLAND

This European Technical Assessment  
contains

5 pages which form an integral part of this assessment

This European Technical Assessment is  
issued in accordance with Regulation (EU)  
No 305/2011, on the basis of

190010-00-0502

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## Specific Part

### 1 Technical description of the product

This European Technical Assessment applies for the mats "Bona U300 Dämmunterlage 2 mm, 3 mm, 5 mm" made of granulated PU-foam and granulated cork with a PU binding agent, hereinafter referred to as underlays.

The underlays are produced with the following thicknesses and area weights:

<b>Bona U300 Dämmunterlage</b>	
Thickness [mm]	Area weight [g/m <sup>2</sup> ]
2	1100
3	1650
5	2750

The European Technical Assessment has been issued for the products on the basis of agreed data/information, deposited with Deutsches Institut für Bautechnik. 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 underlays are used under various floorings inside buildings. They serve for impact sound reduction and for acoustic decoupling.

The performance according to section 3 only applies if the underlays are installed according to the manufacture's installation instructions and if they are protected from precipitation, wetting or weathering in built-in state and during transport, storage and installation.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the underlays "Bona U300 Dämmunterlage 2 mm, 3 mm, 5 mm" of at least 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

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

#### 3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire test acc. to EN ISO 11925-2:2010	Class E - d2 acc. to EN 13501-1:2019-05

**3.2 Hygiene, health and the environment (BWR 3)**

Essential characteristic	Performance		
<b>Content, emission and/or release of dangerous substances</b>			
Substances, classified as Carc. 1A/1B <sup>a)</sup>	None of these raw materials are actively used in the manufacture of the construction product. <sup>b)</sup>		
Substances, classified as Muta. 1A/1B <sup>a)</sup>			
Substances, classified as Acute Tox. 1, 2, 3; Repr. 1A/1B; STOT SE 1 and STOT RE 1 <sup>a)</sup>			
SVOC and VOC <sup>c)</sup>	The product was tested for the emission of dangerous substances (in accordance with EN 16516), using the loading factor L = 0,4 m <sup>2</sup> /m <sup>3</sup> (for floorings) and was therefore assessed:		
		3 days	28 days
	Carcinogens (Cat. 1A/1B)	< 0.01 mg/m <sup>3</sup>	< 0.001 mg/m <sup>3</sup>
	TVOCspez	< 10 mg/m <sup>3</sup>	< 1.0 mg/m <sup>3</sup>
	TSVOC		< 0.1 mg/m <sup>3</sup>
	TVOC without NIK (2015)		< 0.1 mg/m <sup>3</sup>
	R-value		< 1
Release scenario regarding BWR 3: IA2			
<sup>a)</sup> In accordance with Regulation (EC) No 1272/2008. <sup>b)</sup> Assessment based on the detailed manufacturers' statements on dangerous substances. <sup>c)</sup> Statement according to test report.			

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

In accordance with EAD No. 190010-00-0502 the applicable European legal act is: 2000/273/EC

The system to be applied is: 3

In addition, with regard to e.g. reaction to fire for products covered by this EAD the applicable European legal act is: 2000/273/EC

The system to be applied is: 3

English translation prepared by DIBt

**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 on 21 September 2023 by Deutsches Institut für Bautechnik.

Dr. Astrid Gräff  
Head of Section

*beglaubigt:*  
Tykiel