Deutsches Institut für Bautechnik

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Approval body for construction products and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and Laender Governments

Designated according to Article 29 of Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment)

European Technical Assessment

ETA-18/1054 of 5 March 2020

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	"DAMTEC black uni" and "DAMTEC black uni B1"
Product family to which the construction product belongs	Underlay
Manufacturer	KRAIBURG Relastec GmbH & Co. KG Fuchsberger Straße 4 29410 Salzwedel DEUTSCHLAND
Manufacturing plant	KRAIBURG Relastec GmbH & Co. KG Fuchsberger Straße 4 29410 Salzwedel 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	EAD 190010-00-0502
This version replaces	ETA-18/1054 issued on 31 January 2019

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Specific part

1 Technical description of the product

This European Technical Assessment applies for the mats "DAMTEC black uni" and "DAMTEC black uni B1" made of granulated PU-foam and and granulated cork with a PU binding agent, hereinafter referred to as underlays. The variant 4/2 is single-side profiled in a sinusoidal shape. For the B1 variant an inorganic flame retardant is added.

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

DAMTEC black uni		**DAMTEC black uni B1**	
Thickness in mm	Area weight in g/m²	Thickness in mm	Area weight in g/m²
1,5	840	1,5	892
2	1100	2	1185
3	1650	3	1770
4/2	1650	4/2	1770
4	2200	4	2355
5	2750	5	2940
6	3300	6	3525

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 mats "DAMTEC black uni" and "DAMTEC black uni B1" 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
	Class E** acc. to EN 13501-1:2019-05

* for underlays with a nominal thickness ≥ 2 mm

** for underlays with a nominal thickness of 1.5 mm, when used on substrates made of wood-based materials and substrates of class A1 or A2 - s1,d0 according to EN 13501-1:2019-05 with a density of at least 300 kg/m

3.2 Hygiene, health and the environment (BWR 3)

<table>
<tr><th>Essential characteristic</th><th colspan="3">Performance</th></tr>
<tr><td colspan="4">Content, emission and/or release of dangerous substances</td></tr>
<tr><td>Substance/s classified as EU-cat. Carc. 1A and/or 1B[a)]</td><td colspan="3" rowspan="3">The product does not contain these dangerous substances actively used.[b)]</td></tr>
<tr><td>Substance/s classified as EU-cat. Muta. 1A and/or 1B[a)]</td></tr>
<tr><td>Substance/s classified as EU-cat. Acute Tox. 1, 2 and/or 3; Repr. 1A and/or 1B; STOT SE 1 and/or STOT RE 1[a)]</td></tr>
<tr><td>SVOC and VOC</td><td colspan="3">The product was tested for the emission of dangerous substances (in accordance with EN 16516:2017), using the loading factor L = 0,4 m²/m³ (for floors) and was therefore assessed:[c)]</td></tr>
<tr><td></td><td></td><td>3 days</td><td>28 days</td></tr>
<tr><td></td><td>Carcinogens (Cat. 1A/1B)</td><td>< 0.01 mg/m³</td><td>< 0.001 mg/m³</td></tr>
<tr><td></td><td>TVOCspez</td><td>< 10 mg/m³</td><td>< 1.0 mg/m³</td></tr>
<tr><td></td><td>TSVOC</td><td></td><td>< 0.1 mg/m³</td></tr>
<tr><td></td><td>TVOC without NIK[1] (2015)</td><td></td><td>< 0.1 mg/m³</td></tr>
<tr><td></td><td>R-value</td><td></td><td>< 1</td></tr>
<tr><td colspan="4">Release scenarios regarding BWR 3 according to EOTA TR 034: IA2</td></tr>
</table>

a) In accordance with Regulation (EC) No 1272/2008.
b) Assessment based on the detailed manufacturers' statements on dangerous substances.
c) Statement according to test report.

1 Available at www.dibt.de (German LCI list 2015)

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

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 5 March 2020 by Deutsches Institut für Bautechnik

Dirk Brandenburger
Head of Department

beglaubigt:
Kraeft