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European Technical Assessment

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General Part

Technical Assessment Body issuing the European Technical Assessment: Itecons - Instituto de Investigação e Desenvolvimento Tecnológico para a Construção, Energia, Ambiente e Sustentabilidade	
Trade name of the construction product	**DAMTEC® itapur**
Product family to which the construction product belongs	Underlay made of granulated polyurethane (PU)-foam with granulated cork Product area code:19
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
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of	EAD 190010-00-0502 - *Underlay made of granulated polyurethane (PU)-foam with or without granulated cork*

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Specific parts

1. Technical description of the product

This European Technical Assessment applies for DAMTEC® itapur underlay, plain surfaces, made of fines granules of polyurethane (PU) foam with cork and PU elastomer bonding agent. The DAMTEC® itapur is produced with the thicknesses and respetive area weights listed in Table 1.

Table 1: Thickness and area weight of DAMTEC® itapur

Thickness [mm]	Area weight [g/m^2]
2	1100
3	1650
4	2200
5	2750
6	3300

2. Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

The DAMTEC® itapur is an underlay used for impact sound reduction and acoustic decoupling of floors. It can be laid under various floorings, such as laminate, parquet, carpet as well as linoleum and PVC.

The assessment of DAMTEC® itapur, under this European Technical Assessment (ETA), only applies when the product is used inside buildings in structures where it is protected from the wetting and weathering and if it is installed according to the manufacturer's instructions.

The provisions made in this ETA are based on an assumed working life of the DAMTEC® itapur of 25 years, provided that the conditions laid down for the installation, packaging, transport and storage as well as appropriate use, maintenance and repair are met. The indications given as to the working life of the construction product cannot be interpreted as a guarantee neither given by the product manufacturer or his representative nor by EOTA or by Itecons as the Technical Assessment Body (TAB) issuant of European Technical Assessment (ETA), but are regarded only as a means for expressing the expected economically reasonable working life of the product.

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

3.1 Safety in case of fire (BWR 2)

The reaction to fire of DAMTEC® itapur was tested according EN ISO 11925-2:2010, ISO 11925-2:2010/Cor1:2011 and classified according to EN 13501-1:2007+A1:2009. The classification is presented in Table 2.

Table 2: Reaction to fire of DAMTEC® itapur

Product	Performance
Damtec® itapur – 2 mm thickness[1)]	Class E acc. To EN 13501-1
Damtec® itapur – 3 to 6 mm thickness[2)]	

[1)] The classification applies only to the product produced with the same type of raw materials and in the same proportions and is valid for the following end use application:

Underlay made of polyurethane (PU)-foam with granulated cork used over wood based substrates and also any substrate of classes A1 and A2-s1,d0, without attachment.

[2)] The classification applies only to the product produced with the same type of raw materials and in the same proportions.

3.2 Hygiene, health and the environment (BWR 3)

3.2.1 Content, emission and/or release of dangerous substances

The content emission and/or release of dangerous substances was assessed taking into account the release scenario applicable: IA2 (product with indirect contact to indoor air but possible impact on indoor air).

3.2.1.1 SVOC and VOC

The emission of volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) was assessed according to EN 16516. The loading factor considered was L = 0.4 m^2/m^3. The results are presented in Table 3.

Table 3: Emissions of volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) after 3 and 28 days of exposure

Essential characteristic	Performance		
Content, emission and/or release dangerous substances			
Substance/s classified as EU cat. Carc. 1A and/or 1B [a)]	The product/kit does not contain these dangerous substances actively used. [b) c)]		
Substance/s classified as EU cat. Muta. 1A and/or 1B [a)]			
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)]			
SVOC and VOC	The product was tested for the emission of dangerous substances using the loading factor L = 0.4 m^2/m^3 (for floors) and was therefore assessed [d)]		
		3 days	28 days
	Carcinogens (EU-Cat. 1A/1B)	< 0.01 mg/m^3	< 0.001 mg/m^3
	$TVOC_{spez}$	< 10.0 mg/m^3	< 1.0 mg/m^3
	TSVOC	---	< 0.1 mg/m^3
	TVOC without NIK[1 e)]	---	< 0.1 mg/m^3
	R-value	---	< 1

a) In accordance with Regulation (EC) No 1272/2008.

b) Active use is the targeted use of substances to achieve specific product properties. Substances that are present as impurities and/or as a secondary component in the product are therefore not to be regarded as "actively used".

c) Performance based on a manufacturer's declaration about the contained dangerous substances.

d) Statement according to test report.

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

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

According to the Decision 2000/273/EC of the European Commission, as amended, the system of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No. 305/2011) given in the following table applies.

Table 4: AVCP System

Product	Intended use	Levels(s) or class(es)	System
Underlay for impact sound insulation	for use inside buildings	E	3

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

The ETA is issued on the basis of agreed data/information, deposited at Itecons, which identifies the product that has been assessed and judged. It is the manufacturer's responsibility to make sure that all those who use the construction product are appropriately informed of specific conditions laid down in this ETA.

Changes to the underlay made of granulated polyurethane (PU)-foam with granulated cork or the components or their production process should be notified to the Itecons before the changes are introduced. Itecons will decide whether or not such changes affect the ETA and if so whether further assessment or alterations to the ETA shall be necessary.

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By

Technical Assessment Unit of

Itecons – Instituto de Investigação e Desenvolvimento Tecnológico para a Construção, Energia, Ambiente e Sustentabilidade

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Validated document

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