

**ACOUSTIC INSULATION DIRECTLY UNDER FLOOR COVERINGS**  
made from recycled elastic materials  
**FOR LIVING COMFORT AND GOOD WORKING ATMOSPHERE**



MADE IN GERMANY



DAMTEC® Project  
T-Mobile, Cologne, Germany

## DAMTEC® ACOUSTIC INSULATION

### FEATURES AND BENEFITS

**KRAIBURG Relastec** has specialised in the manufacturing of high-quality and effective products for sound and vibration insulation for decades. They are a competent partner for acoustic and vibration insulation products made of recycled rubber granules and for determining the most effective sound insulation measures.

#### FEATURES AND BENEFITS:

- brilliant noise insulation with a low panel thickness
- outstanding compressive strength and load-bearing performance
- permanently elastic
- highest resiliency even after years of use (does not compress and reduce sound absorption)
- very low emission
- very environment-friendly, recycled rubber can be recycled again
- fast and easy installation
- Eliminates hollow clicking sounds and reverberations (floor to ceiling noise) under hard flooring
- May be used for glue-down applications (glued to the subfloor and/or to the flooring above)
- Good heat transmission, ideal for use with underfloor heating/cooling systems
- Cushioning effect increases underfoot comfort in combination with carpeting

#### TAKE ADVANTAGE OF THE SPECIALISTS FOR ACOUSTIC INSULATION:

We would be happy to assist you by selecting the correct product for your requirements. According to the impact sound requirements, existing or planned floor systems / floor finishes and required screed thicknesses, we are at your disposal for any application-specific consulting to achieve the optimal impact sound insulation. In the field of large-scaled industrial projects, we are also happy to measure the impact sound improvement in connection with **DAMTEC®** products on-site. Simply talk to us.

### Hotels



### Public buildings and offices



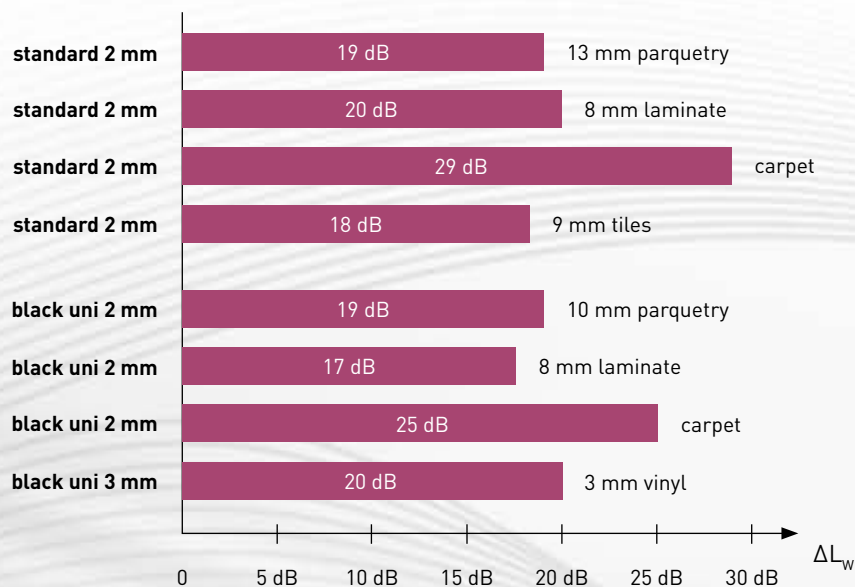
### Private residences



### Schools, training centers



### Impact sound improvement - overview

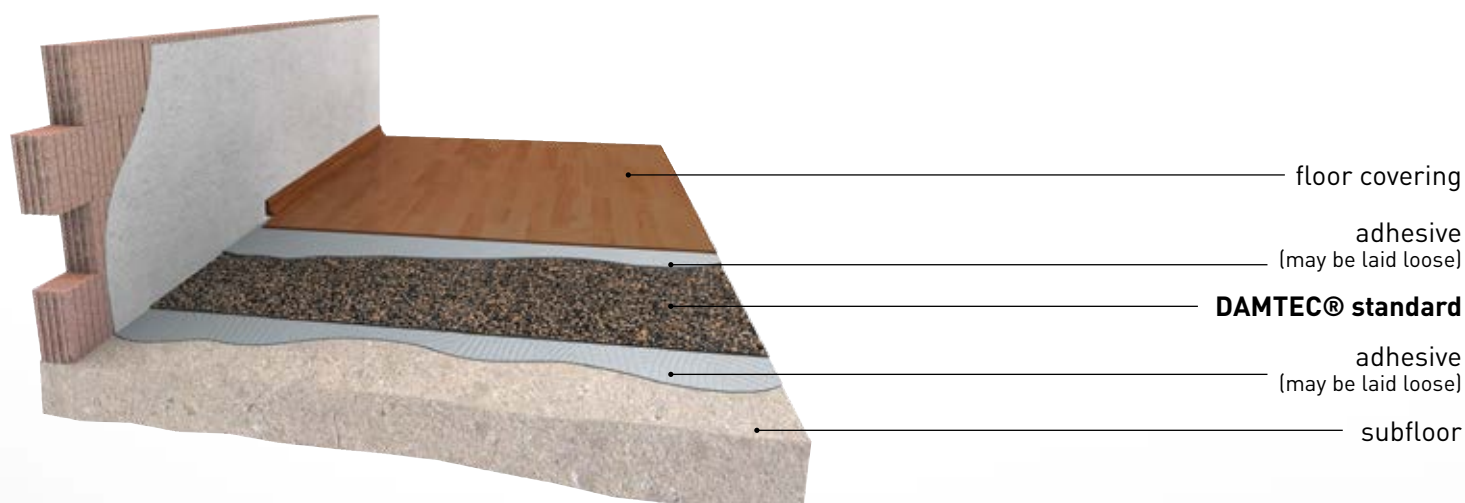


Shown sound reduction values are our maximum tested values and are dependent on the material, exact floor type, room conditions and the installation process.



## DAMTEC® standard

UNIVERSAL PRODUCT IDEAL FOR USE UNDER A WIDE RANGE OF FLOOR COVERINGS



### Technical data

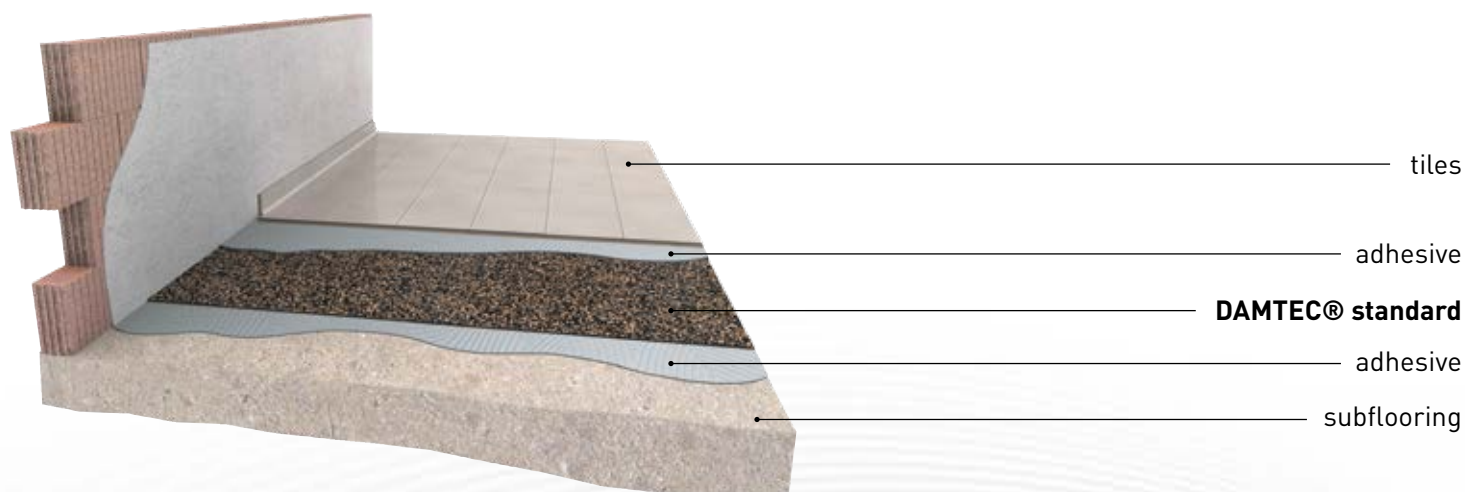
<b>Material</b>	Fine granules of recycled rubber and cork with PU elastomer bonding agent
<b>Density</b>	approx. 700 kg/m <sup>3</sup>
<b>Thickness</b>	2, 3, 4, 5 or 6 mm (± 0.3 mm)
<b>Roll width</b>	1,000 mm (± 1.5 %)
<b>Roll length</b>	available on request (± 1.5 %)
<b>Surface</b>	fine granulare texture
<b>Colour</b>	beige (cork), black (granulate)
<b>Tensile strength</b>	approx. 0.6 N/mm <sup>2</sup> (ISO 1798)
<b>Elongation at break</b>	approx. 20% (ISO 1798)
<b>Temperature re- sistance</b>	-30° up to + 80° C
<b>Flammability rating</b>	E <sub>fl</sub> (ISO 11925/EN 13501)
<b>Impact sound improvement <math>\Delta L_w</math></b>	20 dB (with 2 mm under 8 mm laminate flooring) 19 dB (with 2 mm under 13 mm parquetry) 18 dB (with 3 mm under 16 mm solid wood)

**DAMTEC® standard** is an universal product for impact sound insulation. This underlay can be used under parquet, laminate as well as under carpets, linoleum, PVC flooring and tiles. It reduces unwanted noise - within your own four walls and those of your neighbours as well. **DAMTEC® standard** may be laid loose or glued, according to the application and requirements. **DAMTEC® standard** ensures a pleasant work or residential environment and is well suited for the use in a wide range of applications.



## DAMTEC® standard

IDEAL ACOUSTIC UNDERLAY FOR IMPACT SOUND IMPROVEMENT UNDER TILES



### Technical data

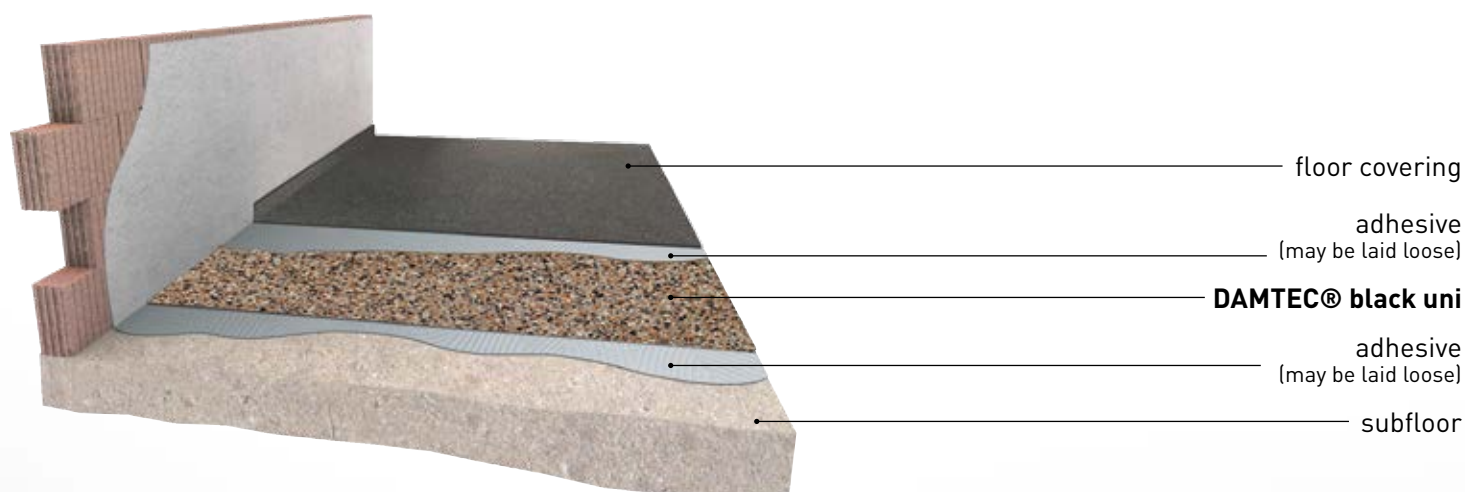
<b>Material</b>	Fine granules of recycled rubber and cork with PU elastomer bonding agent
<b>Density</b>	approx. 700 kg/m³
<b>Thickness</b>	2, 3, 4, 5 or 6 mm (± 0.3 mm)
<b>Roll width</b>	1,000 mm (± 1.5 %)
<b>Roll length</b>	available on request (± 1.5 %)
<b>Surface</b>	fine granulare texture
<b>Colour</b>	beige (cork), black (granulate)
<b>Tensile strength</b>	approx. 0.6 N/mm² (ISO 1798)
<b>Elongation at break</b>	approx. 20% (ISO 1798)
<b>Temperature resistance</b>	-30° up to + 80° C
<b>Flammability rating</b>	E <sub>fl</sub> (ISO 11925/EN 13501)
<b>Impact sound improvement <math>\Delta L_w</math></b>	18 dB (with 2 mm under 9 mm tiles)

**DAMTEC® standard** is an universal product for impact sound insulation. This underlay has the perfect properties for an application under tiles. It reduces unwanted noise - within your own four walls and those of your neighbours as well. **DAMTEC® standard** may be laid loose or glued, according to the application and requirements. **DAMTEC® standard** ensures a pleasant work or residential environment and is well suited for the use in a wide range of applications.



## DAMTEC® black uni

IDEAL FOR ACOUSTIC INSULATION UNDER PVC AND LINOLEUM



### Technical data

<b>Material</b>	Fine granules of recycled PU foam with cork and PU elastomer bonding agent
<b>Density</b>	approx. 550 kg/m <sup>3</sup>
<b>Thickness</b>	2, 3, 4, 5 or 6 mm (± 0.3 mm)
<b>Roll width</b>	1,000 mm (± 1.5 %)
<b>Roll length</b>	available on request (± 1.5 %)
<b>Surface</b>	fine granulate texturing
<b>Colour</b>	multi-coloured
<b>Tensile strength</b>	approx. 0.8 N/mm <sup>2</sup> (ISO 1798)
<b>Elongation at break</b>	approx. 30% (ISO 1798)
<b>Temperature resistance</b>	-30° up to + 80° C
<b>Flammability rating</b>	E <sub>1</sub> (ISO 11925/EN 13501-1)
<b>Impact sound improvement <math>\Delta L_w</math></b>	25 dB (with 2mm glued under textile flooring) 20 dB (with 3mm glued under 3mm PVC flooring) 19 dB (with 2mm glued under 10mm parquetry [2 layer])

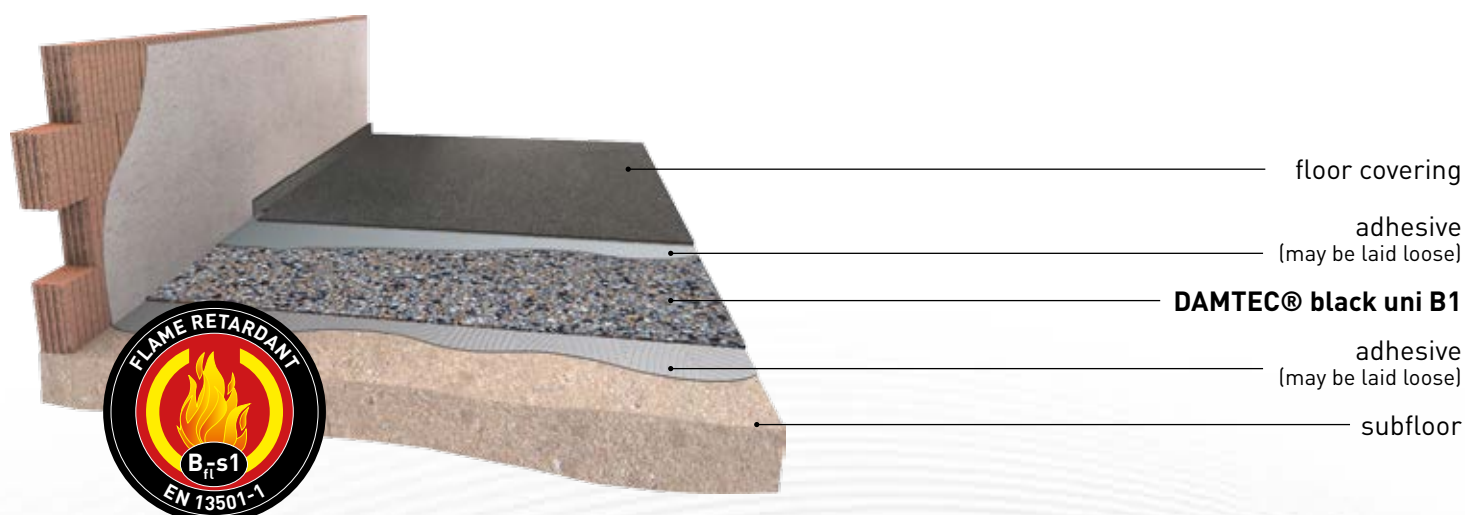
**DAMTEC® black uni** is an universal acoustic underlay for impact sound insulation. This product can be used under parquet, laminate as well as under carpets and elastic floor coverings.





## DAMTEC® black uni B1

### FLAME-RETARDANT ACOUSTIC UNDERLAY



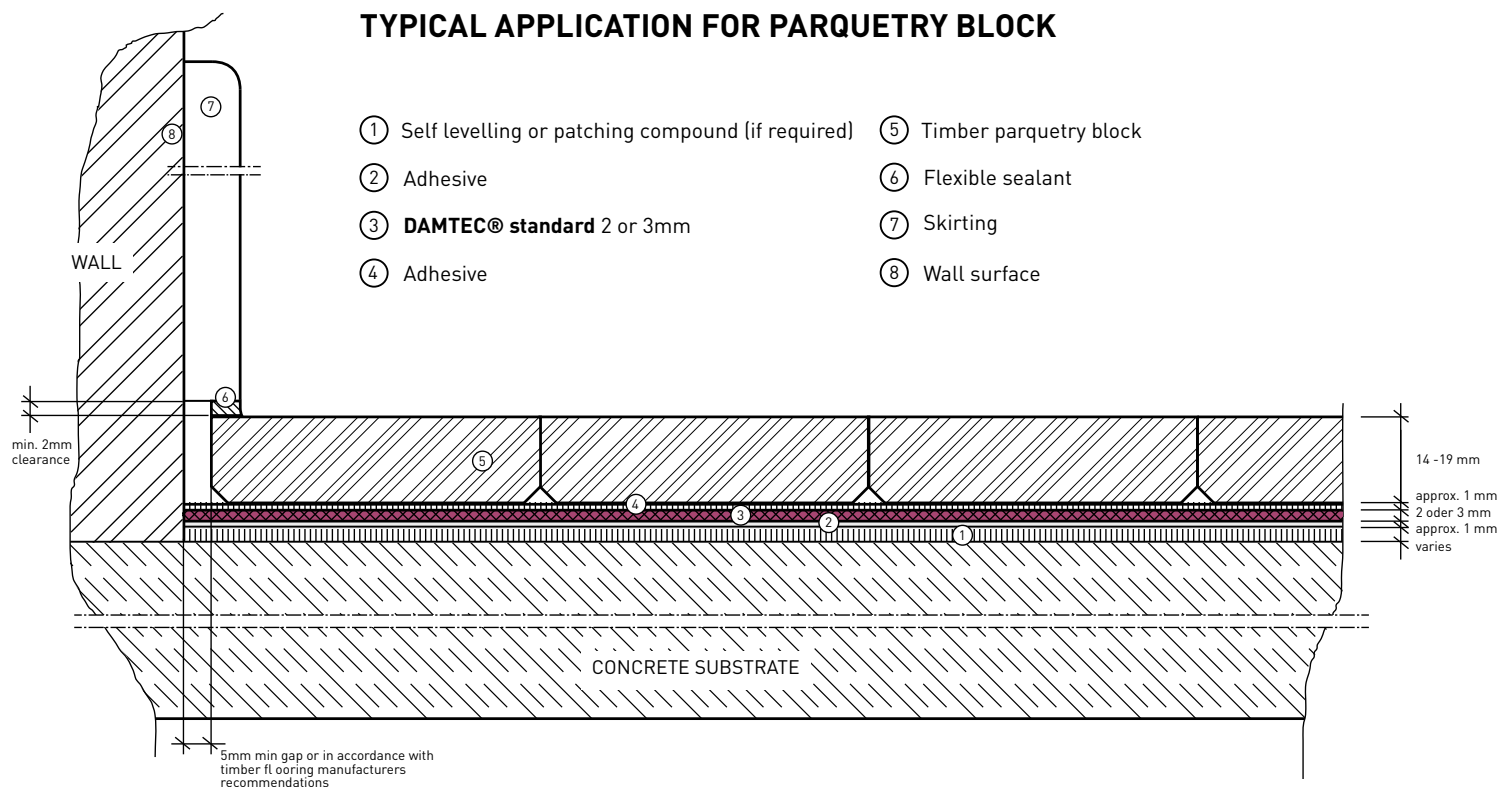
#### Technical data

Material	Fine granules of recycled PU foam with cork and PU elastomer bonding agent.
Thickness	2, 3, 4, 5, 6 (± 0.3 mm)
Roll width	1,000 mm (± 1.5 %)
Roll length	available on request (± 1.5 %)
Surface	fine granulate texturing
Colour	black/grey/beige/brown (PU), beige (cork)
Tensile strength	approx. 0.8 N/mm² (ISO 1798)
Elongation at break	approx. 30% (ISO 1798)
Temperature resistance	-30° to + 80° C
Flammability rating	B <sub>fl</sub> (ISO 11925/EN 13501)
Impact sound improvement $\Delta L_w$	25 dB with 2mm glued under textile flooring 20 dB with 3mm glued under 3mm PVC flooring 19 dB with 2mm glued under 10mm parquetry (2 layer)

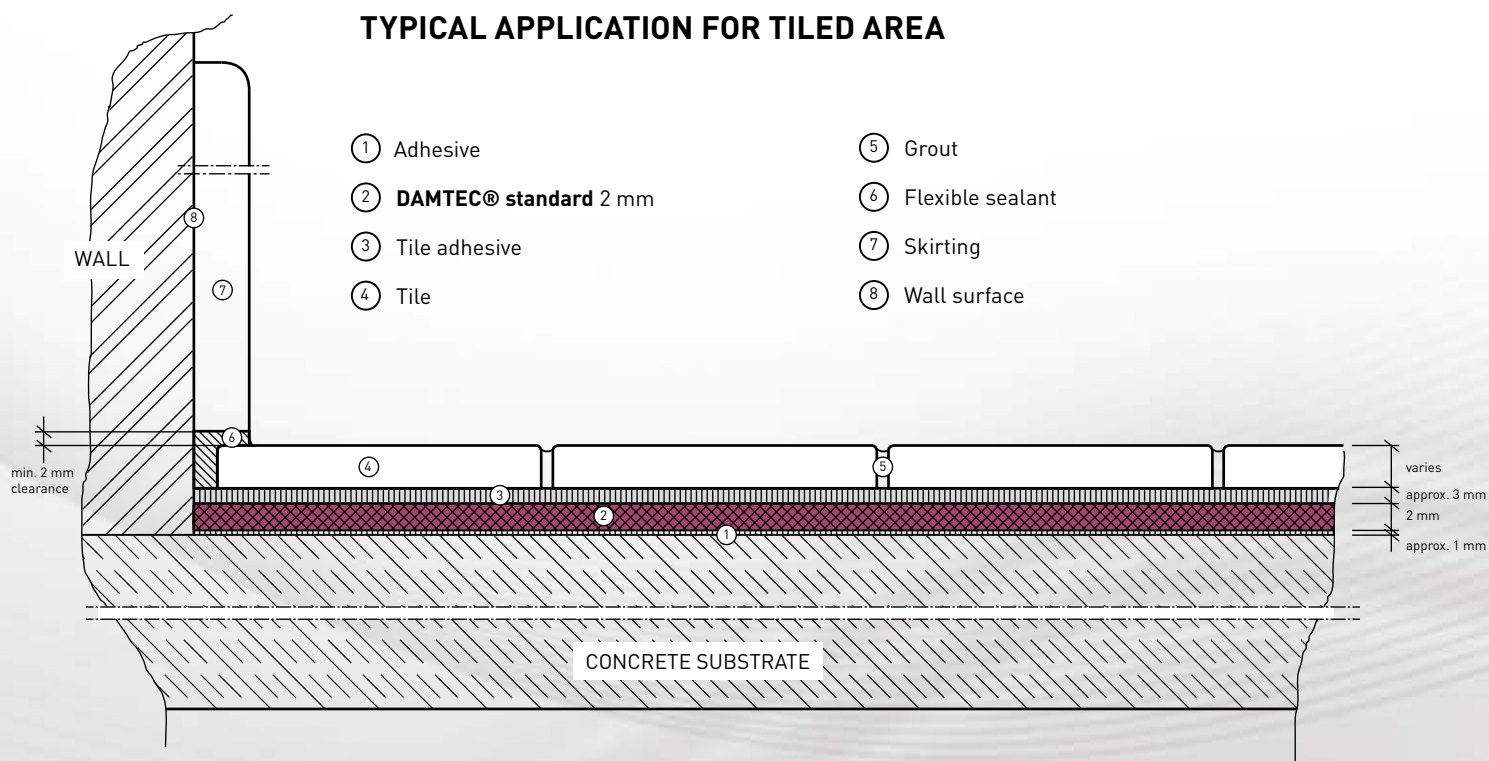
**DAMTEC® black uni B1** is an underlay for the impact sound insulation and decoupling. It can be laid under laminate, parquet, carpet as well as linoleum and PVC and provides for more peace. **DAMTEC® black uni B1** creates a pleasant living and working climate and is a universal product for high requirements.



## TYPICAL APPLICATION FOR PARQUETRY BLOCK



## TYPICAL APPLICATION FOR TILED AREA



Technical drawings are available for all of our products and additional applications. Please feel free to contact us!

## DAMTEC® Installation example - Parquet



The illustrations above show the main sequences in the general installation of our DAMTEC® acoustic insulation products under floor coverings. Important: We refer to the respective installation instruction for the different DAMTEC® products. The complete and detailed installation instructions can be found at [www.kraiburg-relastec.com/damtec](http://www.kraiburg-relastec.com/damtec)



## ENVIRONMENTAL MANAGEMENT AT KRAIBURG RELASTEC

### FROM OLD TYRES TO TOP-QUALITY FINISHED PRODUCTS

**KRAIBURG Relastec** is one of the best known global companies that specialise in the production of technical rubber materials from old tyres. As a recycling specialist, we have for many years been committed to the protection of the environment. Every year, we process and recycle about 85,000 tons of old tyres, closed-cell rubber and rubber production scrap. From these raw materials, we produce high-quality granules based on our internally developed formulations. These granules make up more than 90 % of the material used in our finished products. All our products are 100 % recyclable without loss of quality.

At **KRAIBURG Relastec**, protecting the environment is a strategic priority. We are convinced that sustainable growth is only achievable if we meet our responsibilities towards the environment. **KRAIBURG Relastec** has therefore adopted a very simple policy: Protecting the environment is part and parcel of what we do every day!

Our “**pro environment**” logo stands not only for 40 years of sustainable business practices that protect resources, but emphasises our commitment to product quality and continuous improvement for the protection of the environment beyond the statutory regulations.



- 🌱 We turn waste rubber materials into new raw materials and products, making a valuable contribution to waste reduction and the protection of the environment.
- 🌱 We invest in innovative and environmentally friendly production methods and technologies.
- 🌱 Our products are subject to continuous quality testing and further development, whereby environmental concerns are given priority. We are always on the lookout for even more environmentally friendly alternatives that enable us to further reduce emissions and protect resources.
- 🌱 All employees of KRAIBURG Relastec undertake to implement sustainable practices in their daily work and to protect the environment wherever they can.
- 🌱 We expect the same from our suppliers and constantly monitor their performance.



**DAMTEC® Project**  
Hilton Hotel, Melbourne, Australia

## DAMTEC® REFERENCE PROJECTS

FROM ALL OVER THE WORLD



Hilton Hotel Dublin, Ireland



Grand Hyatt Doha



Musée des Confluences, France



Sheraton Jumeirah Beach, Dubai



**ACOUSTIC & VIBRATION INSULATION**  
made from recycled elastic materials

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