



**ACOUSTIC INSULATION DIRECTLY UNDER FLOOR COVERINGS**  
made from recycled rubber  
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

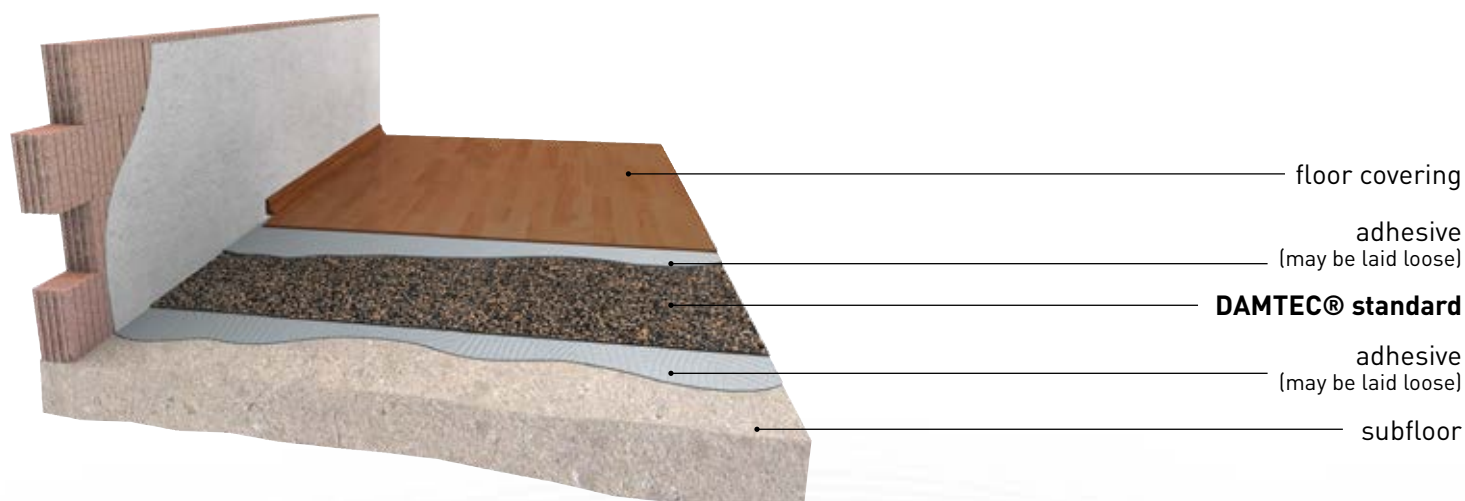
#### TAKE ADVANTAGE OF THE SPECIALISTS FOR ACOUSTIC INSULATION:

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.



## DAMTEC® standard

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



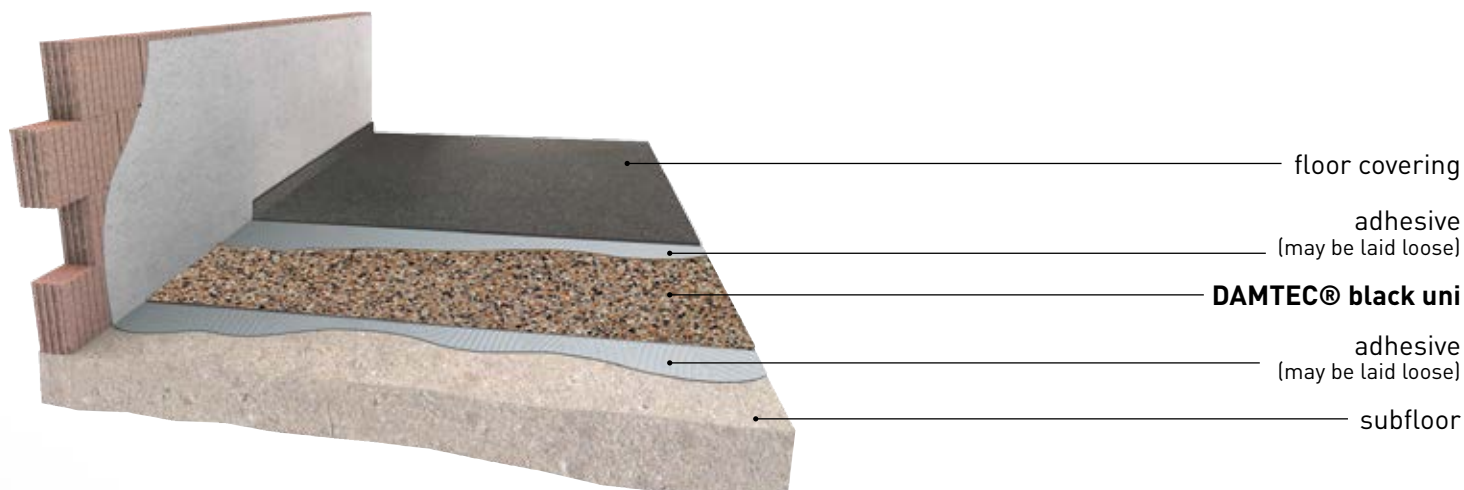
Technical data	
Material	Fine granules of recycled rubber and cork with PU elastomer bonding agent
Density	approx. 700 kg/m <sup>3</sup>
Thickness	2, 3, 4, 5 or 6 mm (± 0.3 mm)
Roll width	1,000 mm (± 1.5 %)
Roll length	available on request (± 1.5 %)
Surface	fine granulare texture
Colour	beige (cork),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

IDEAL FOR ACOUSTIC INSULATION UNDER PVC AND LINOLEUM



floor covering

adhesive  
(may be laid loose)

**DAMTEC® black uni**

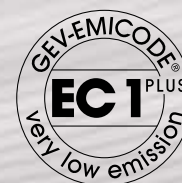
adhesive  
(may be laid loose)

subfloor

### 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>fl</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))

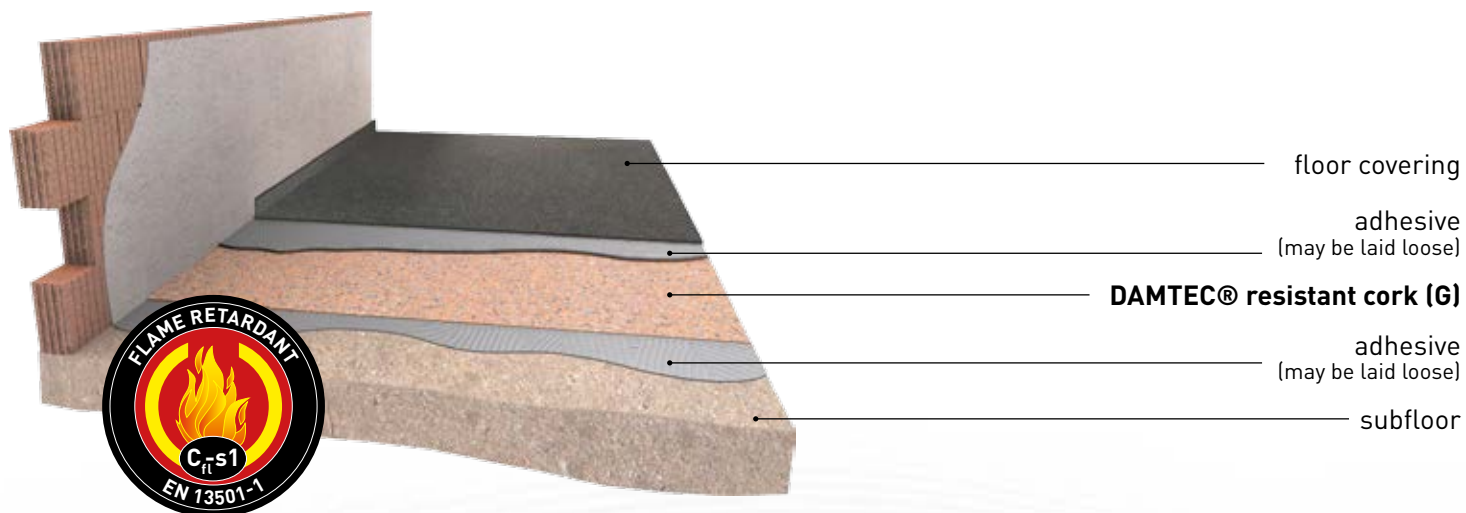
**DAMTEC® black uni** is an universal acoustic underlay for impact sound insulation. This product can be used under parquet, laminate as well as under carpets and elastic floor coverings.





## DAMTEC® resistant cork / resistant cork G

### FLAME-RETARDANT ACOUSTIC UNDERLAY



#### Technical data

Material	special granules of recycled rubber and cork with PU elastomer bonding agent
Density	approx. 600 kg/m <sup>3</sup>
Thickness	2, 3, 4, 5 or 6 mm (± 0.3 mm)
Roll width	1,250 mm (± 1.5 %)
Roll length	available on request (± 1.5 %)
Surface	granular texture
Colour	multi-coloured (rubber), beige (cork)
Tensile strength	approx. 0.6 N/mm <sup>2</sup> (ISO 1798)
Elongation at break	approx. 10% (ISO 1798)
Temperature resistance	-30° up to + 80° C
Flammability rating	C <sub>fl</sub> - s1 (ISO 9239/EN 13501)
Impact sound improvement $\Delta L_w$	25 dB (under textile flooring) 17 dB (2 mm under PVC flooring)

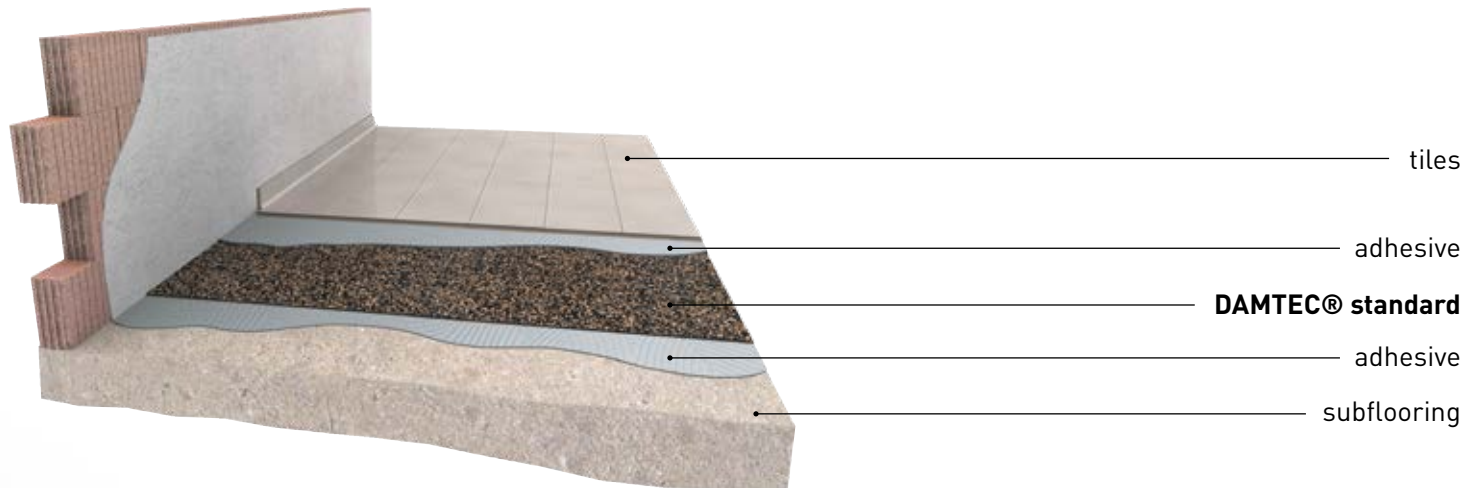
**DAMTEC® resistant cork** is the ideal acoustic underlay, suitable for residential and commercial buildings. With its special selection of raw materials, **DAMTEC® resistant cork** has a low flammability. It can be laid under parquetry and laminated floor, under textile floors as well as ceramic tiles. For the application under elastic floor coverings we recommend **DAMTEC® resistant cork G**, which is grinded on one side.





## DAMTEC® standard

IDEAL ACOUSTIC UNDERLAY FOR IMPACT SOUND IMPROVEMENT UNDER TILES



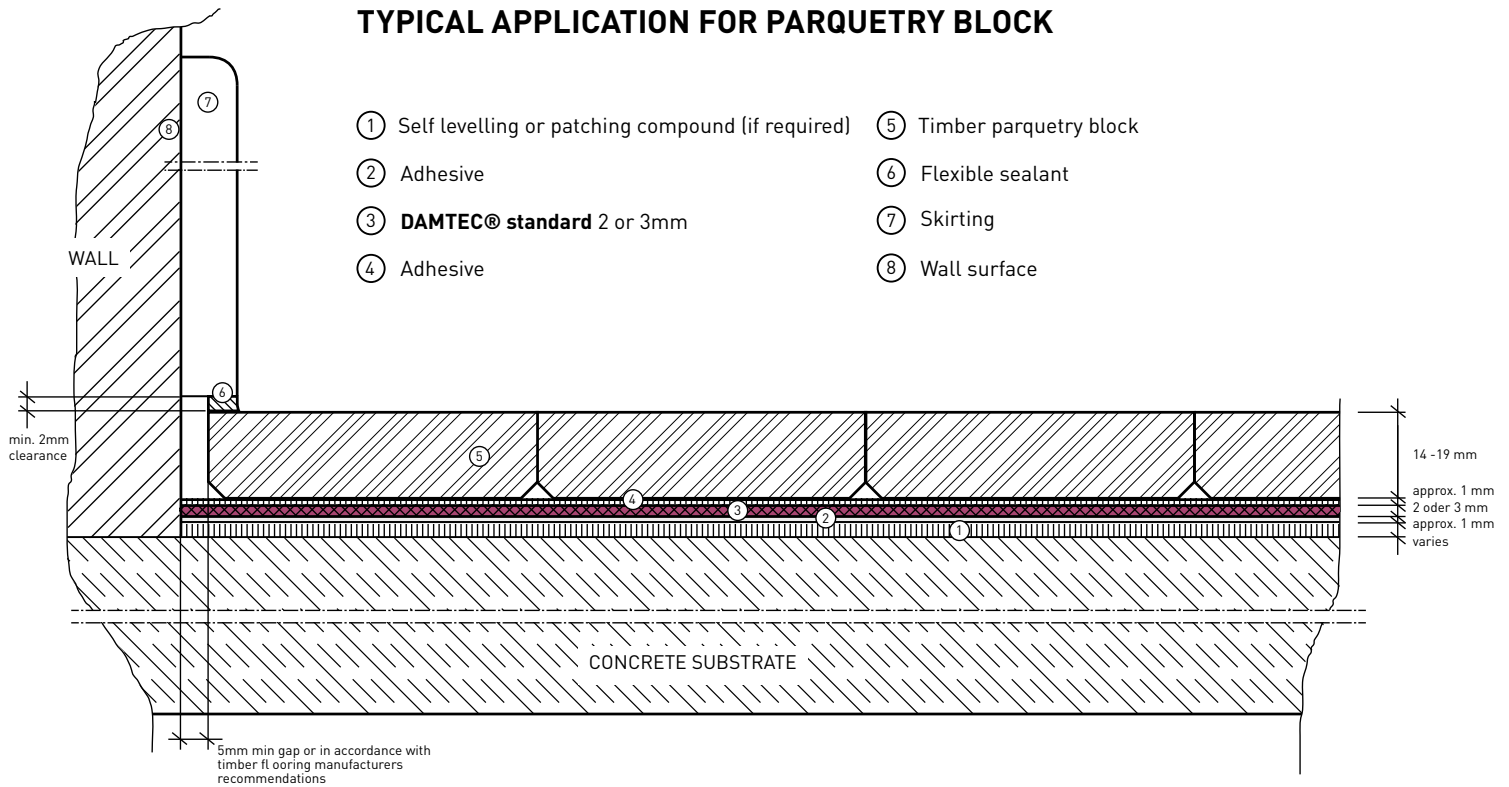
### Technical data

<b>Material</b>	Fine granules of recycled rubber and cork with PU elastomer bonding agent
<b>Density</b>	approx. 700 kg/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 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 under 9 mm tiles

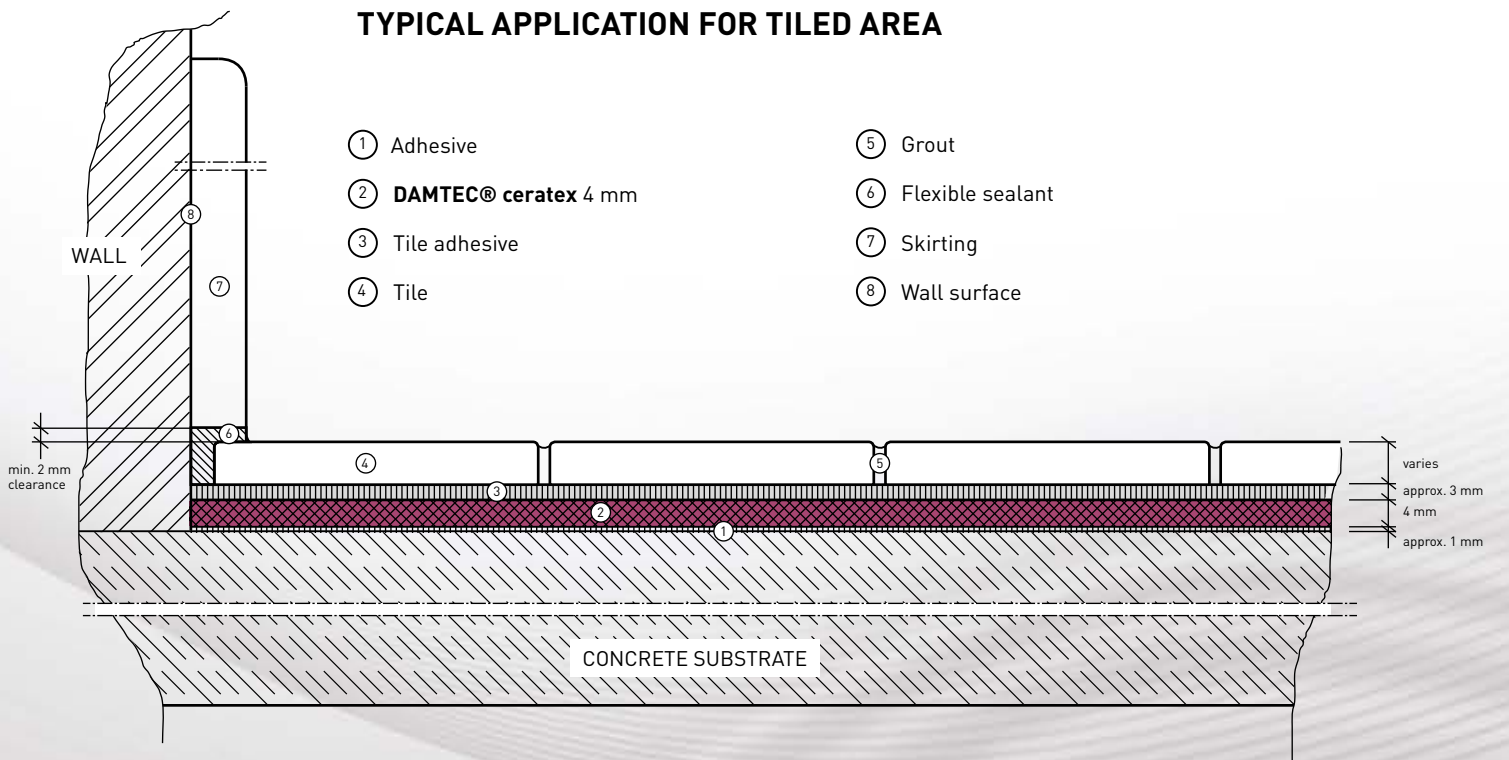
**DAMTEC® standard** is an universal product for impact sound insulation. This underlay can be used under parquet, laminate as well as under carpets, linoleum, PVC flooring and tiles. It reduces unwanted noise - within your own four walls and those of your neighbours as well. **DAMTEC® standard** may 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.



### 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!





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® ACOUSTIC & VIBRATION INSULATION

### FURTHER INFORMATION

Under the brand name **DAMTEC®** our customers find a wide range of products for acoustic and vibration insulation for different requirements and application areas.

For more information on our products please contact us or visit our website [www.kraiburg-relastec.com](http://www.kraiburg-relastec.com).



● Brochure

**DAMTEC®  
ACOUSTIC  
INSULATION**  
under screed

● Brochure

**DAMTEC®  
ACOUSTIC INSULATION**  
directly under floor  
coverings

● Brochure

**DAMTEC® system**  
Solutions for  
wooden sub-floors

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**DAMTEC®  
VIBRATION  
INSULATION**  
for the building  
industry

● Brochure

**DAMTEC®  
VIBRATION  
INSULATION**  
for the railway  
industry

# ***DAMTEC***<sup>®</sup>

ACOUSTIC & VIBRATION  
INSULATION  
made from recycled rubber

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