

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:

- Independently tested to evidence compliance with the Irish Building Regulations
- Tried and tested product with numerous Irish project references – in the Irish market for over 15 years.
- 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
- suitable for glue down and loose laid applications

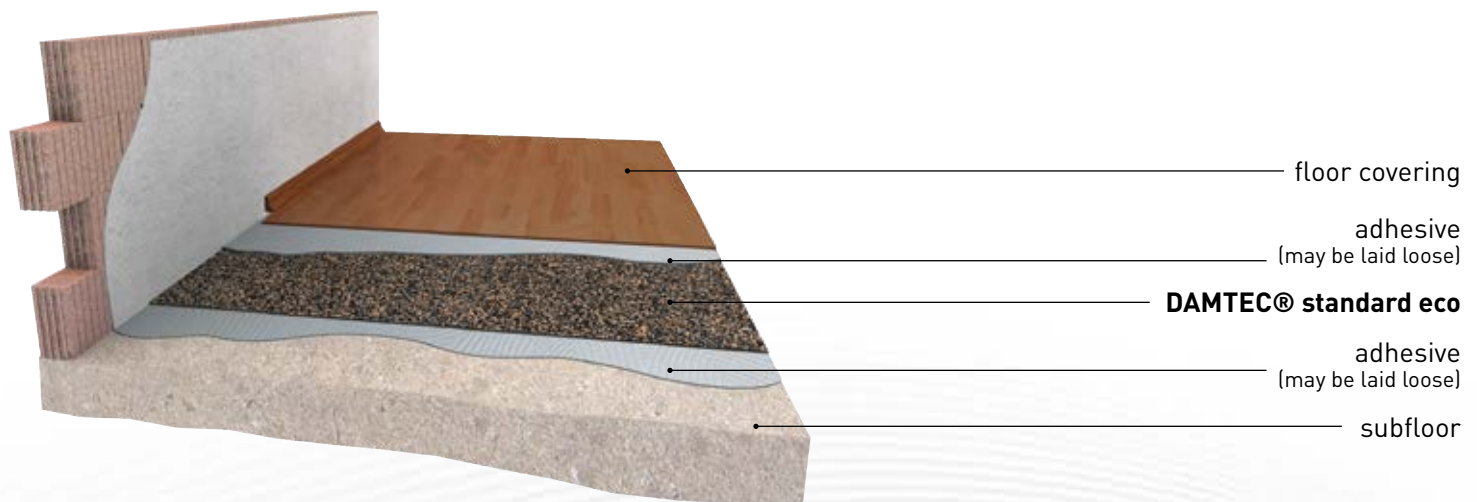
TAKE ADVANTAGE OF THE SPECIALISTS FOR ACOUSTIC INSULATION:

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 eco

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. 640 kg/m ³
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. 0.4 N/mm ² (ISO 1798)
Elongation at break	approx. 20% (ISO 1798)
Temperature resistance	-30° to + 80° C
Impact sound improvement ΔL_w	$\Delta L_w = 18$ dB with 4.5mm (ISO 140-8/ISO 717-2) $\Delta L_w = 19$ dB with 5mm and laminate $\Delta L_w = 17$ dB with 3mm and vinyl floor $\Delta L_w = 17$ dB with 3mm and linoleum 2mm

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

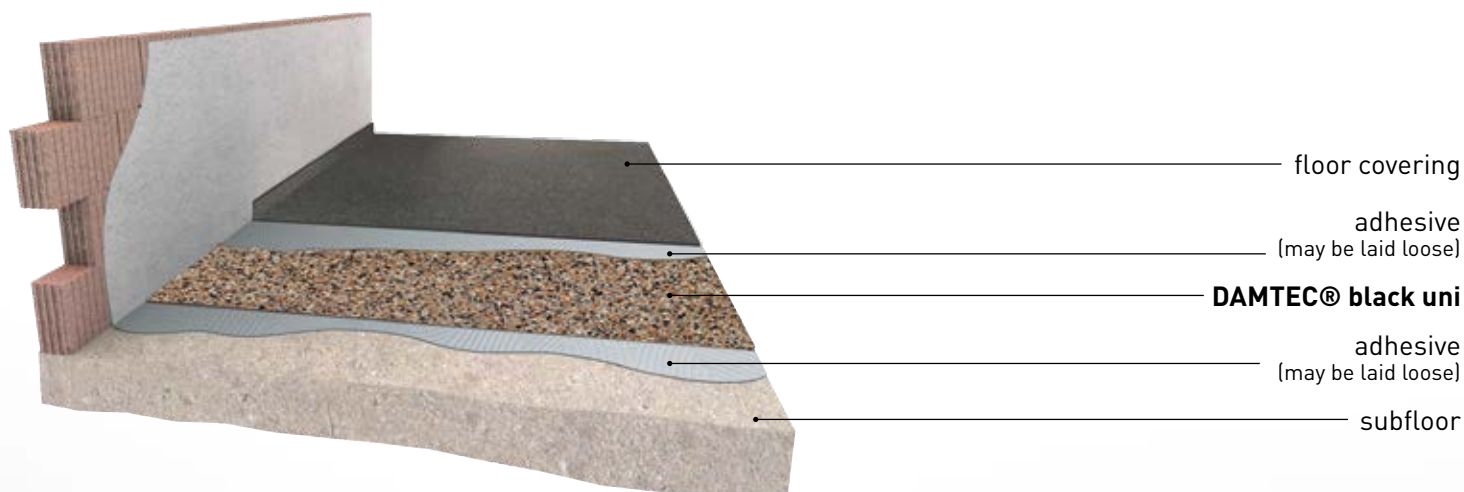
* Suitable under ceramic tiles with the exception of wet areas. DIN 18195 Part 1 defines the term „wet area“ as “an interior area where on utilization water accumulates at such a rate as to require specific drainage to allow the water to dissipate.” Bathrooms in a residential setting without specific floor drainage would not be considered a “wet area”.

** Under elastic flooring a separating layer is recommended to avoid plasticizer migration.



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

Material	Fine granules of recycled PU foam with cork and PU elastomer bonding agent
Density	approx. 550 kg/m ³
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 granulate texturing
Colour	multi-coloured
Tensile strength	approx. 0.8 N/mm ² (ISO 1798)
Elongation at break	approx. 30% (ISO 1798)
Temperature resistance	-30° up to + 80° C
Flammability rating	E _{fl} (ISO 11925/EN 13501-1)
Impact sound improvement ΔL_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])

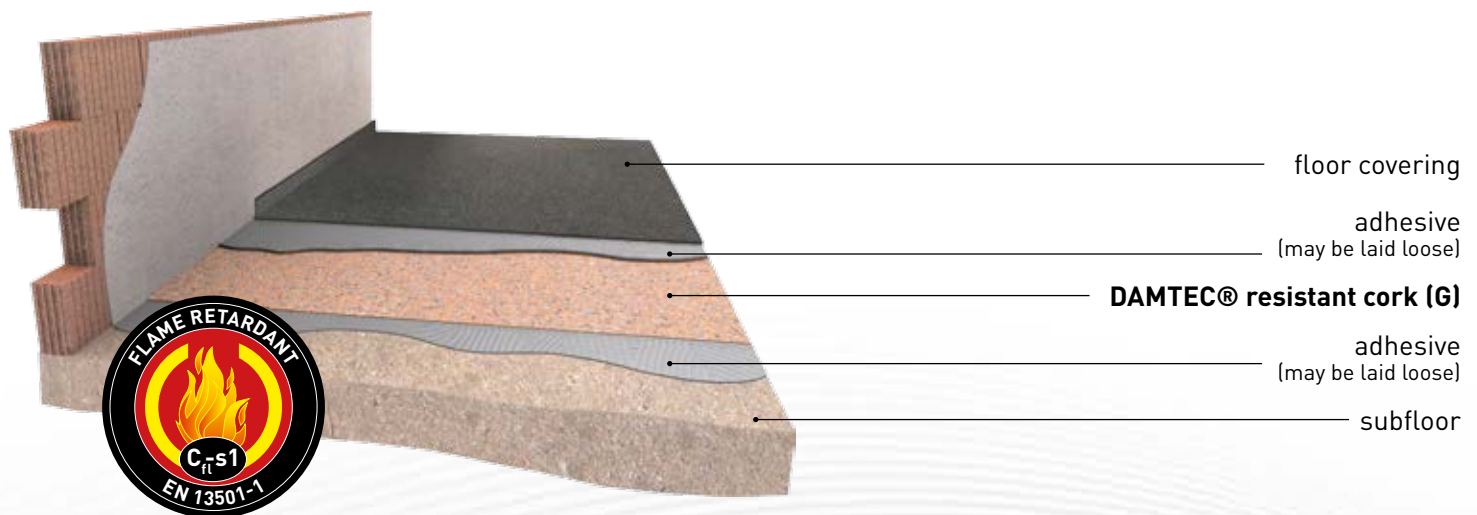
DAMTEC® black uni is an universal acoustic underlay for impact sound insulation. This product can be used under parquet, laminate as well as under carpets and elastic floor coverings.





DAMTEC® resistant cork / resistant cork G

FLAME-RETARDANT ACOUSTIC UNDERLAY



floor covering

adhesive
(may be laid loose)

DAMTEC® resistant cork (G)

adhesive
(may be laid loose)

subfloor

Technical data	
Material	special granules of recycled rubber and cork with PU elastomer bonding agent
Density	approx. 600 kg/m ³
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 ² (ISO 1798)
Elongation at break	approx. 10% (ISO 1798)
Temperature resistance	-30° up to + 80° C
Flammability rating	C _{fl} - s1 (ISO 9239/EN 13501)
Impact sound improvement ΔL_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 parquet 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.



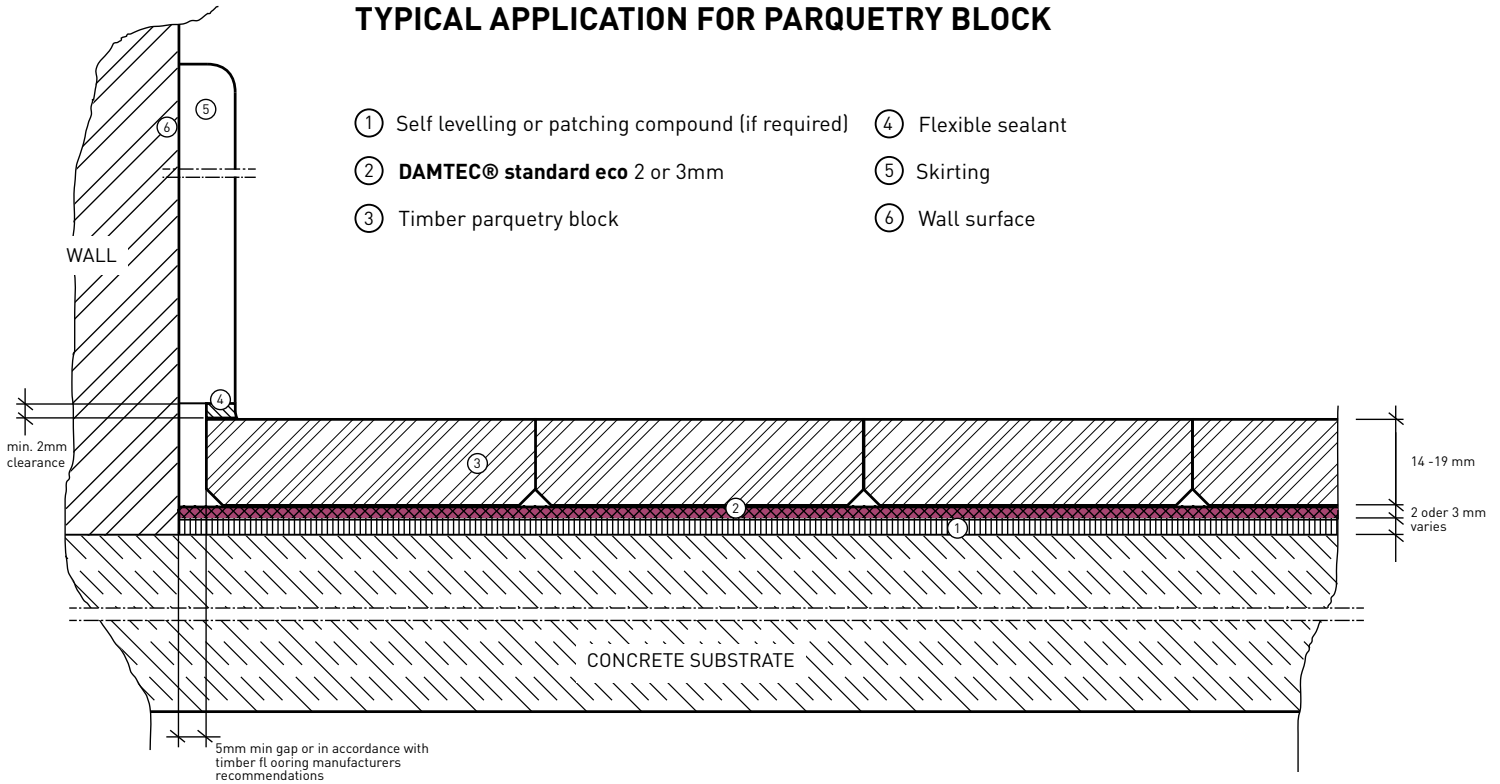


DAMTEC® Project
Grand Hyatt, Doha, Qatar

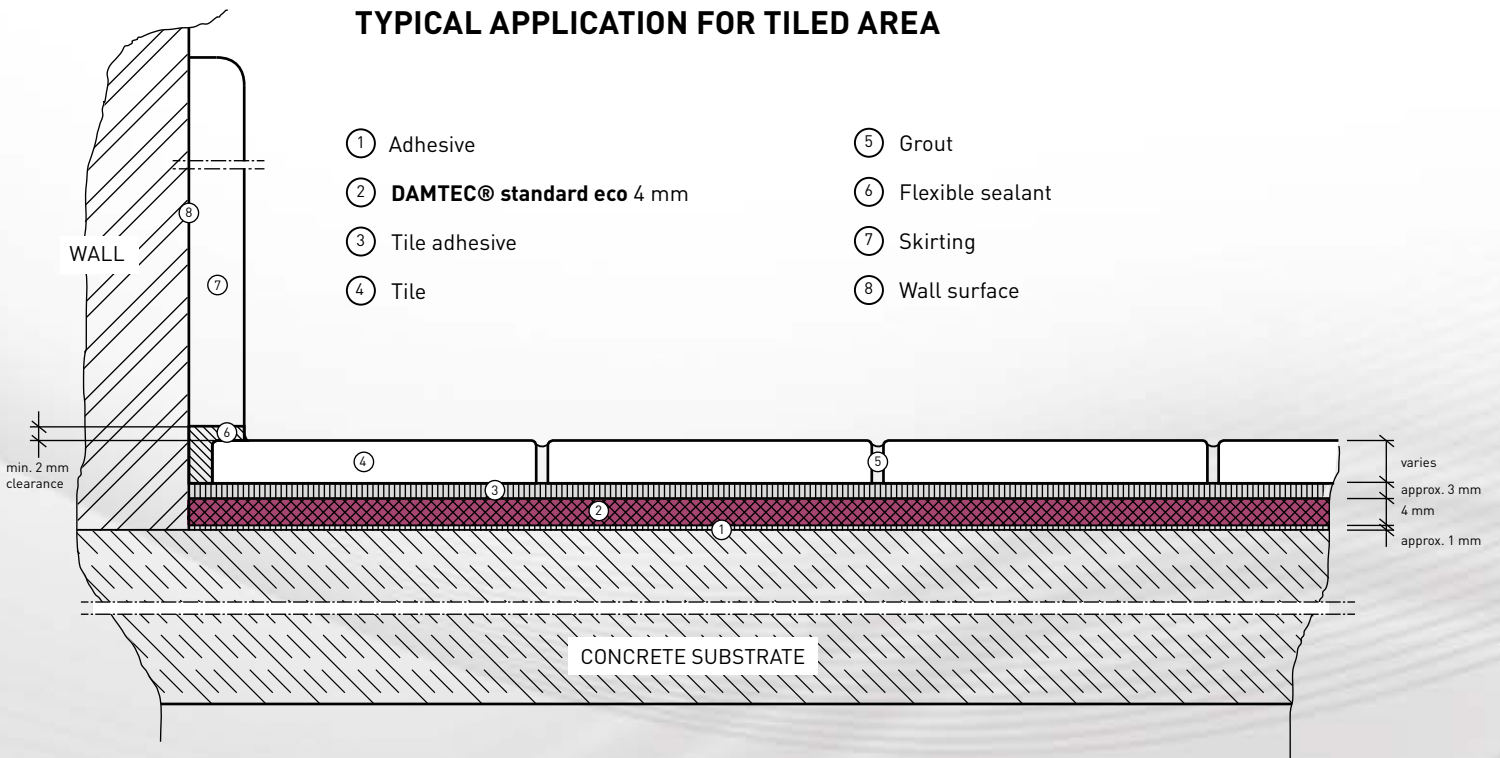


DAMTEC® Project
Savoy Resort & Spa, Seychelles

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



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.



● Brochure

**DAMTEC®
ACOUSTIC
INSULATION**
under screed

● Brochure

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

● Brochure

DAMTEC® system
Solutions for
wooden sub-floors

● Brochure

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

● Brochure

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



ACOUSTIC & VIBRATION INSULATION

made from recycled rubber

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