

ACOUSTIC INSULATION DIRECTLY UNDER FLOOR COVERINGS

made from high-quality elastomer granules

FOR LIVING COMFORT AND GOOD WORKING ATMOSPHERE



DAMTEC[®]

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.

Advantages & properties



With European Technical Approval (ETA) (CE label)



brilliant noise insulation with a low panel thickness; highest resiliency even after many years of use



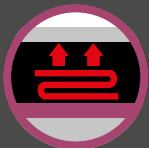
water-resistant and rot-proof



fast and easy installation



outstanding compressive strength and load-bearing performance; permanently elastic



Good heat transmission, ideal for use with underfloor heating/cooling systems



Eliminates hollow clicking sounds and reverberations (floor to ceiling noise) under hard flooring

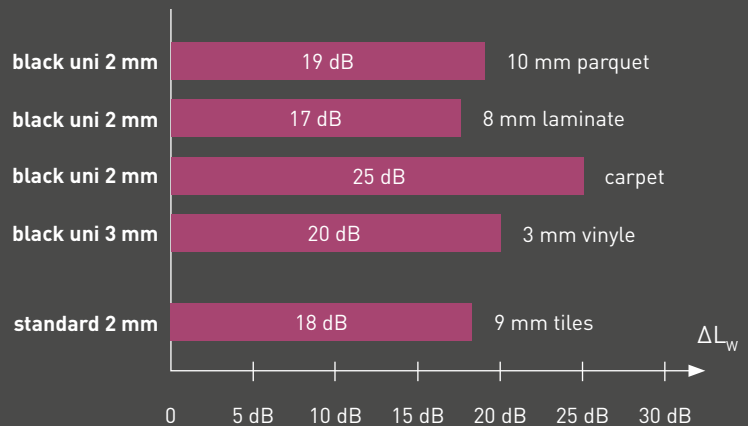


very low emission; very environment-friendly, recycled rubber can be recycled again

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.

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® ACOUSTIC INSULATION

APPLICATIONS AND REFERENCE PROJECTS



public buildings



Schools, kindergardens,
training centers



hotels



apartments



Palazzo Versace, Dubai



Narlife Residences, Istanbul, Turkey



Lufthansa training center, Germany



High Rise Tower, Doha, Qatar



Hilton Hotel, Istanbul, Turkey

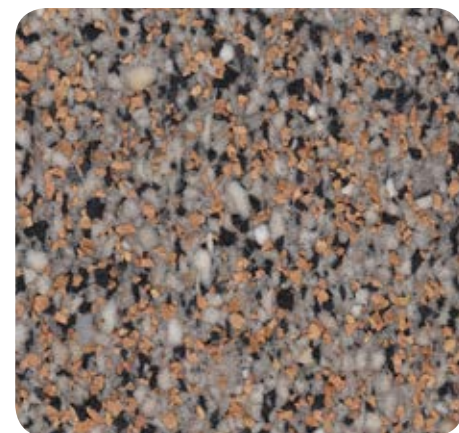
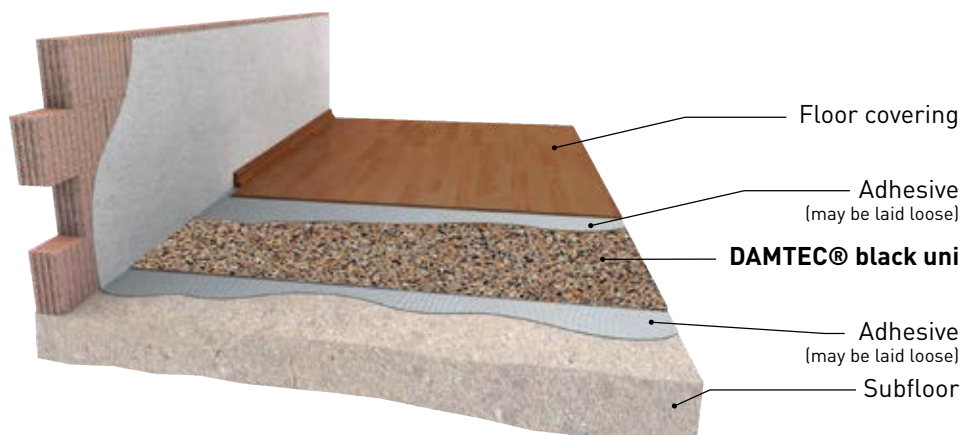


Savoy Hotel, Seychelles



DAMTEC® black uni

IDEAL FOR ACOUSTIC INSULATION UNDER PVC AND LINOLEUM



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.

Material	Fine granules of recycled PU foam with cork and PU elastomer bonding agent
Density	500 - 600 kg/m ³
Thicknesses	2, 3, 4, 5, 6 mm (± 0.3 mm)
Roll width / Roll length	1,000 mm (± 1.5 %), available on request (± 1.5 %)
Tensile strength	ca. 0.8 N/mm ² (ISO 1798)
Elongation at break	ca. 30% (ISO 1798)
Temperature resistance	-30° to + 80° C
Flammability rating	E _{fl} (ISO 11925/EN 13501)
Impact sound improvement ΔL_w	25 dB (with 2 mm glued under textile flooring) 20 dB (with 3 mm glued under 3 mm PVC flooring) 19 dB (with 2 mm glued under 10 mm parquetry [2 layers])

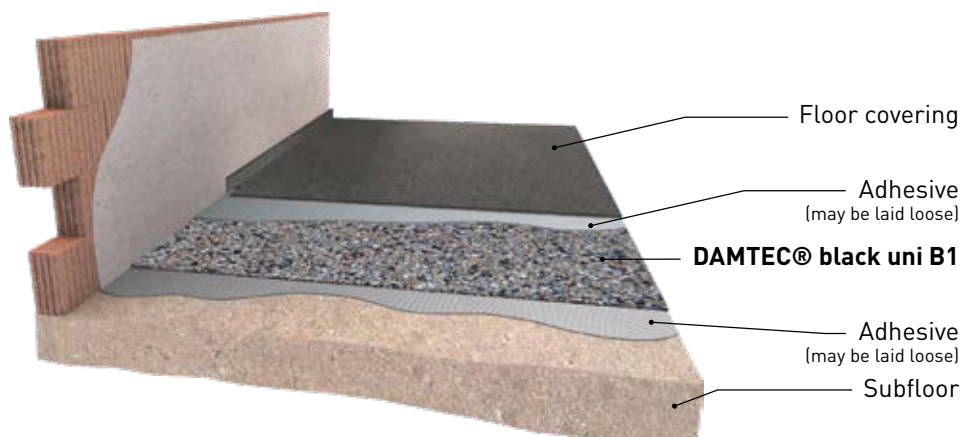
CE
ETA - 18/1054





DAMTEC® black uni B1

FLAME-RETARDANT ACOUSTIC UNDERLAY



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.

Material	Fine granules of recycled PU foam with cork and PU elastomer bonding agent.
Density	530 - 630 kg/m ³
Thicknesses	2, 3, 4, 5, 6 (± 0.3 mm)
Roll width / Roll length	1,000 mm (± 1.5 %), available on request (± 1.5 %)
Tensile strength	ca. 0.8 N/mm ² (ISO 1798)
Elongation at break	ca. 30% (ISO 1798)
Temperature resistance	-30° to + 80° C
Flammability rating	B ₁ (ISO 11925/EN 13501)
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 layers)

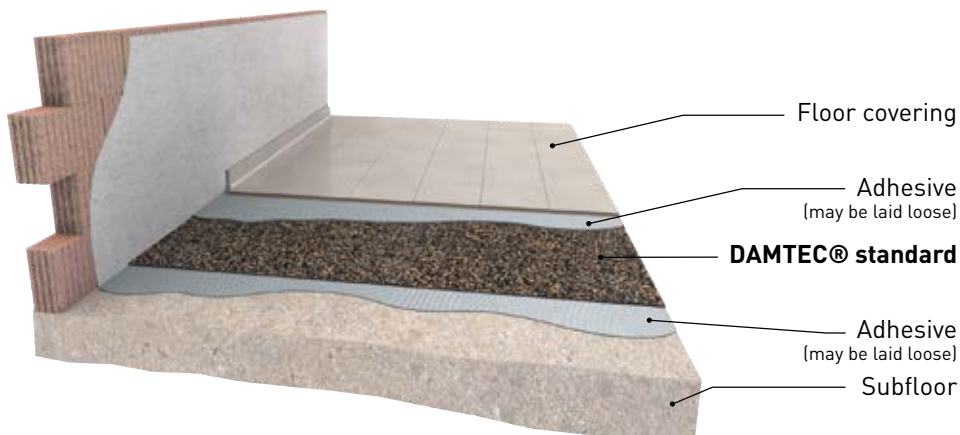
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DAMTEC® standard

IDEAL ACOUSTIC UNDERLAY FOR IMPACT SOUND IMPROVEMENT UNDER TILES



Material	Fine granules of recycled rubber and cork with PU elastomer bonding agent
Density	ca. 700 kg/m ³
Thicknesses	2, 3, 4, 5, 6 mm (± 0.3 mm)
Roll width / Roll length	1,000 mm (± 1.5 %), available on request (± 1.5 %)
Tensile strength	ca. 0.6 N/mm ² (ISO 1798)
Elongation at break	ca. 20% (ISO 1798)
Temperature resistance	-30° to + 80° C
Flammability rating	E _{fl} (ISO 11925/EN 13501)
Impact sound improvement ΔL_w	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® project
Royal Children's Hospital, Melbourne, Australia

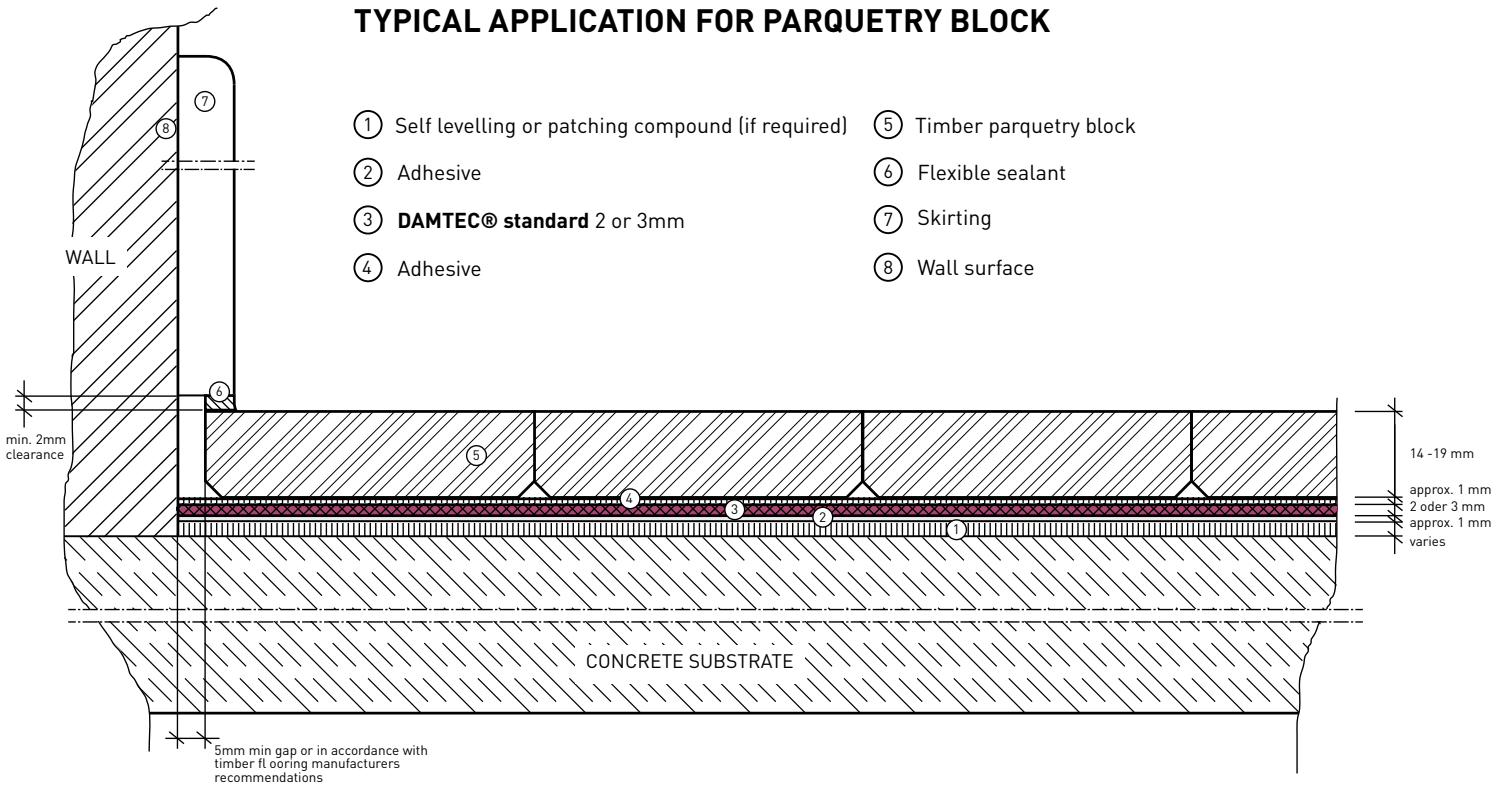


DAMTEC® project
Sheraton Jumeirah Beach, Dubai

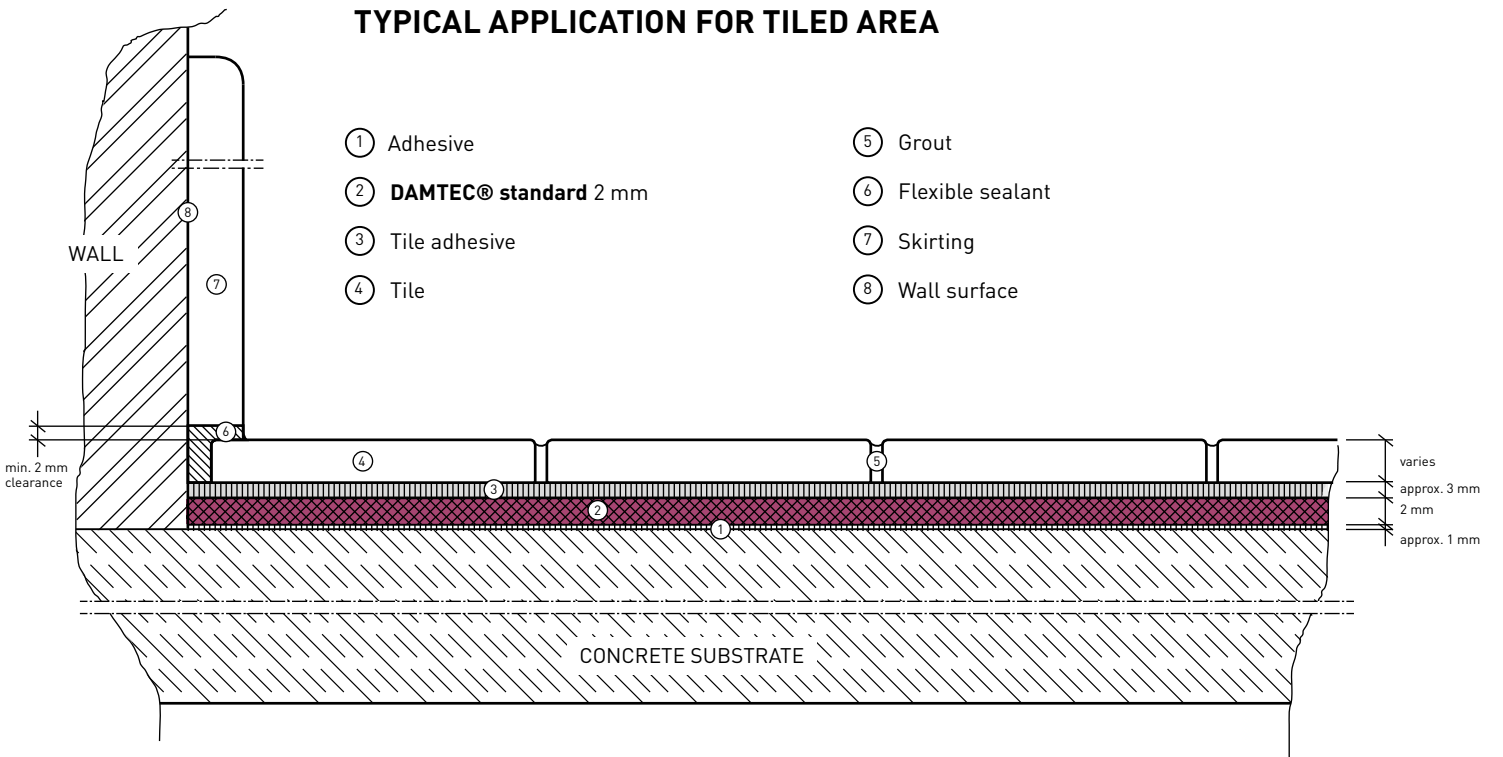


DAMTEC® project
T-Mobile Headquarter, Bonn, Germany

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.



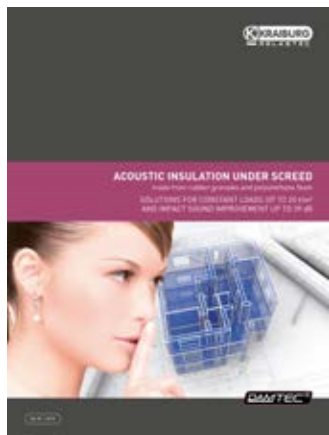
DAMTEC® project
Hilton Hotel, Melbourne, Australia

DAMTEC® Acoustics and Vibration Isolation

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/damtec



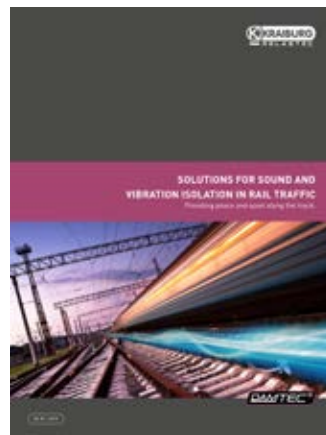
Brochure

DAMTEC® Acoustic
Insulation under Screed



Brochure

DAMTEC® Acoustic
Insulation under Floor
Coverings



Brochure

DAMTEC® Solutions for
sound and vibration
isolation in rail traffic



Brochure

PURASYS vibrafoam /
vibradyn
Technical information
about the product and
about vibration isolation



Acoustics and Vibration Isolation

made from rubber granules and polyurethane

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