KRAIBURG RELASTEC

# ACOUSTIC INSULATION DIRECTLY UNDER FLOOR COVERINGS

made from high-quality elastomer granules

FOR LIVING COMFORT AND GOOD WORKING ATMOSPHERE

DAMTEC®

EN #1 | 2026

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

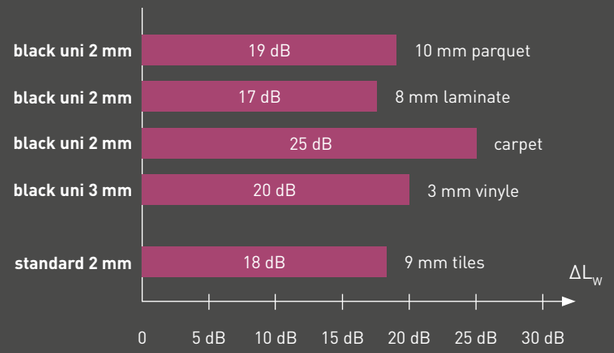
Eliminates hollow clicking sounds and reverberations (floor to ceiling noise) under hard flooring

Our products made from recycled elastomeric materials generate lower $CO_2$ emissions than those made from virgin material.

### 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.





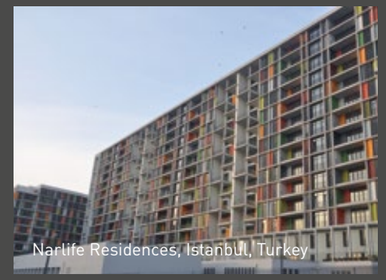
public buildings

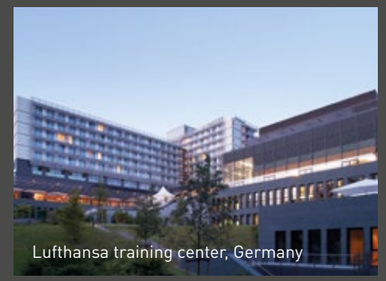
Schools, kindergardens, training centers

hotels

apartments

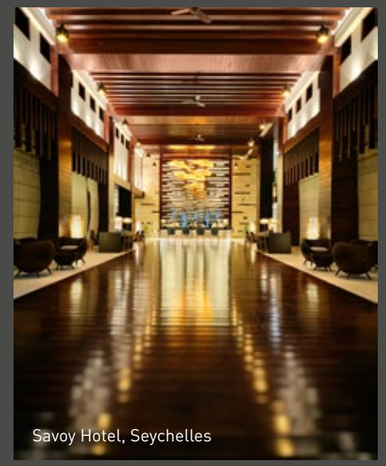
Pallazzo Versace, Dubai


Narlife Residences, Istanbul, Turkey


Lufthansa training center, Germany

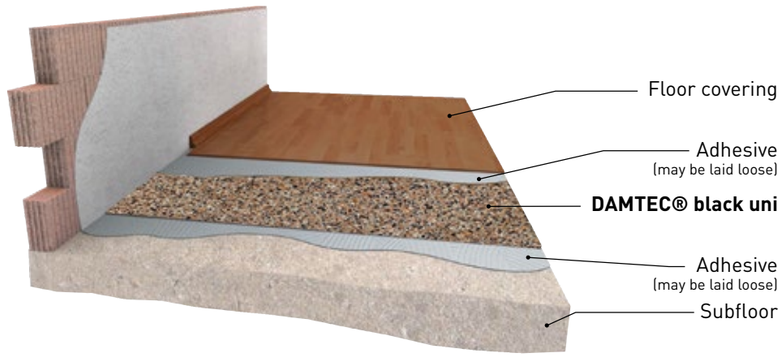
High Rise Tower, Doha, Qatar

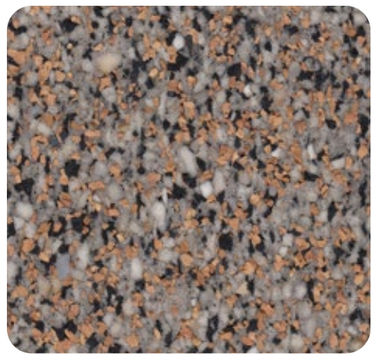
Hilton Hotel, Istanbul, Turkey


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.

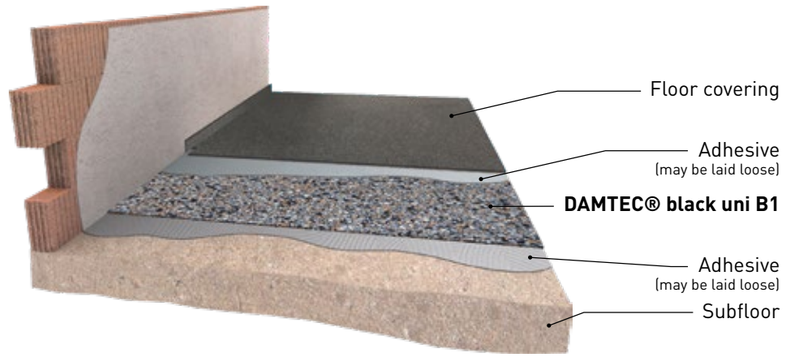
| | |
|---|---|
| **Material** | Fine granules of recycled PU foam with cork and PU elastomer bonding agent |
| **Density** | 500 - 600 kg/m³ |
| **Thicknesses** | 2, 3, 4, 5, 6 mm (± 0.3 mm) |
| **Roll width / Roll length** | 1,000 mm (± 1.5 %), available on request (± 1.5 %) |
| **Tensile strength** | ca. 0.8 N/mm² (ISO 1798) |
| **Elongation at break** | 0.7 - 1.4 N/mm²<br>20 - 50 % |
| **Temperature resistance** | -30° to + 80° C |
| **Flammability rating** | $E_{fl}$ (ISO 11925/EN 13501) |
| **Impact sound improvement** $\Delta L_w$ | 25 dB (with 2 mm glued under textile flooring)<br>20 dB (with 3 mm glued under 3 mm PVC flooring)<br>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.

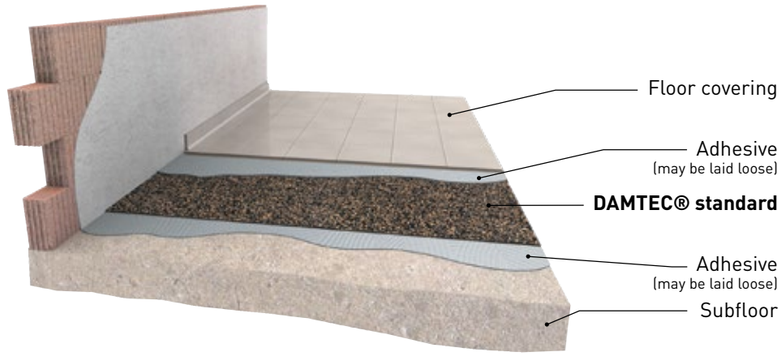
| | |
|---|---|
| **Material** | Fine granules of recycled PU foam with cork and PU elastomer bonding agent. |
| **Density** | 530 - 630 kg/m³ |
| **Thicknesses** | 2, 3, 4, 5, 6 (± 0.3 mm) |
| **Roll width / Roll length** | 1,000 mm (± 1.5 %), available on request (± 1.5 %) |
| **Tensile strength** | ca. 0.8 N/mm² (ISO 1798) |
| **Elongation at break** | 0.7 - 1.4 N/mm²<br>20 - 50 % |
| **Temperature resistance** | -30° to + 80° C |
| **Flammability rating** | $B_{fl}$ (ISO 11925/EN 13501) |
| **Impact sound improvement** $\Delta L_w$ | 25 dB (with 2mm glued under textile flooring]<br>20 dB (with 3mm glued under 3mm PVC flooring]<br>19 dB (with 2mm glued under 10mm parquetry (2 layers)] |

CE

ETA - 18/1054

## 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/m³ |
| **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/mm² (ISO 1798) |
| **Elongation at break** | > 0.5 N/mm²<br>> 20 % |
| **Temperature resistance** | -30° to + 80° C |
| **Flammability rating** | $E_{fl}$ (ISO 11925/EN 13501) |
| **Impact sound improvement $\Delta L_w$** | 18 dB (with 2 mm under 9 mm tiles) |

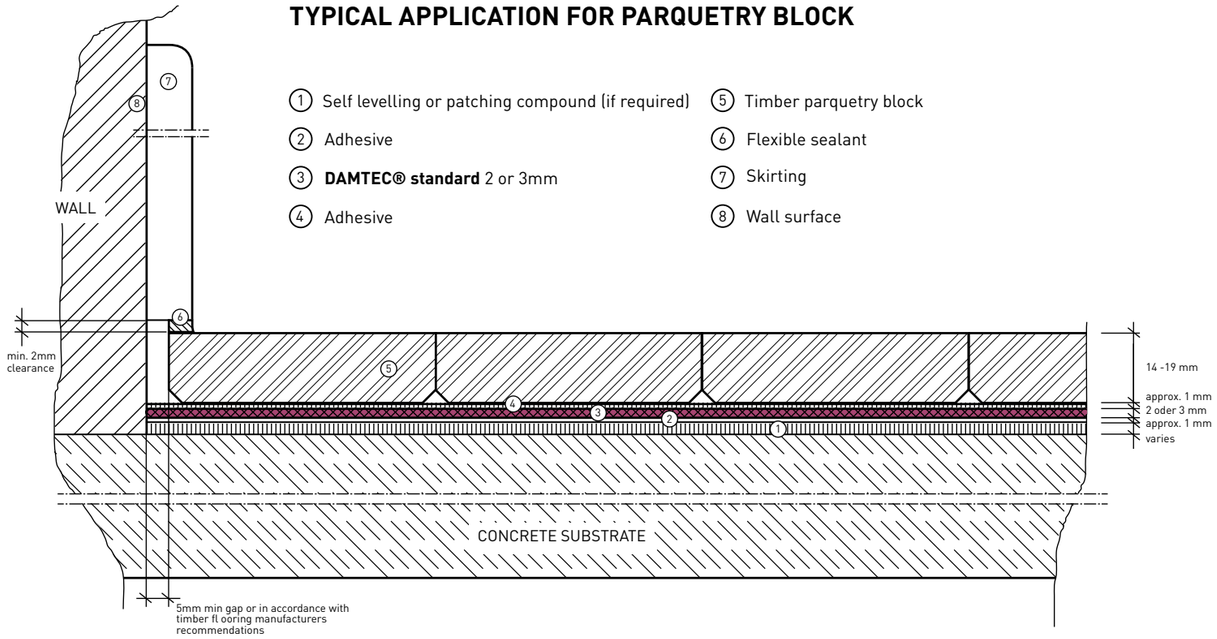
DAMTEC® standard is an universal product for impact sound insulation. This underlay has the perfect properties for an application under tiles. It reduces unwanted noise - within your own four walls and those of your neighbours as well. DAMTEC® standard may be laid loose or glued, according to the application 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

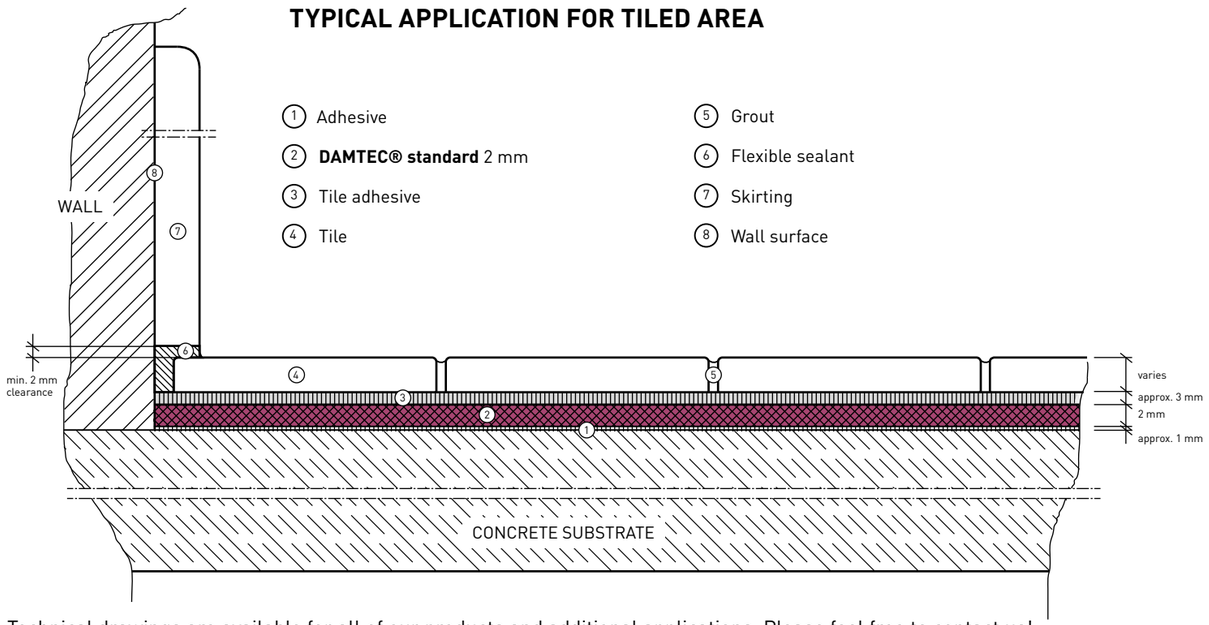
**DAMTEC®** project
T-Mobile Headquarter, Bonn, Germany

## TYPICAL APPLICATION FOR PARQUETRY BLOCK



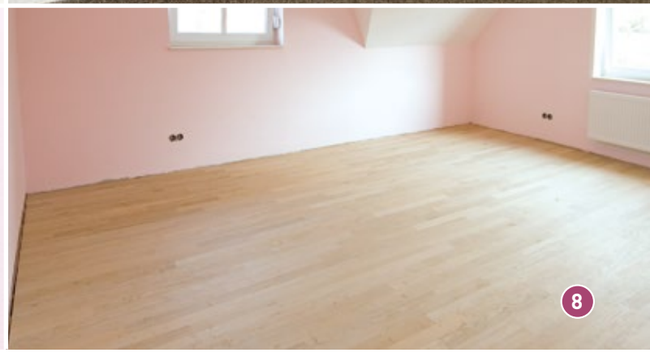

1. Self levelling or patching compound (if required)
2. Adhesive
3. **DAMTEC® standard** 2 or 3mm
4. Adhesive
5. Timber parquetry block
6. Flexible sealant
7. Skirting
8. Wall surface

## TYPICAL APPLICATION FOR TILED AREA




1. Adhesive
2. **DAMTEC® standard** 2 mm
3. Tile adhesive
4. Tile
5. Grout
6. Flexible sealant
7. Skirting
8. Wall surface

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



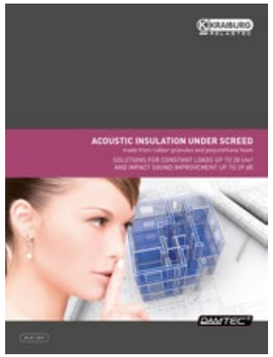

The illustrations above show the main sequences in the general installation of our DAMTEC® acoustic insulation products under floor coverings. **Important**: We refer to the respective installation instruction for the different DAMTEC® products.
The complete and detailed installation instructions can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

**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**

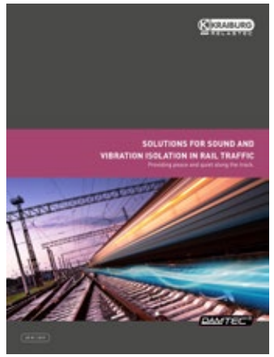



**Brochure**

DAMTEC® Acoustic
Insulation under Screed

**Brochure**

DAMTEC® Vibra Series
Vibration isolation in the
building industry




**Brochure**

DAMTEC® Solutions for
sound and vibration
isolation in rail traffic

**Brochure**

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

**DAMTEC®** project
Aloft Hotel, Abu Dhabi

**DAMTEC®** project
University Erlangen, Germany

DAMTEC® project
DC Tower, Vienna, Austria

**DAMTEC®** project
Grand Hyatt, Doha, Qatar

DAMTEC® project
University, Leipzig, Germany




**DAMTEC®** project
Borderouge Toulouse, France

DAMTEC® project
Savoy Hotel, Seychelles

**DAMTEC®** project
Welle Lenzburg, Swizerland

# SUSTAINABILITY

Corporate Carbon Footprint, Product Carbon Footprint, Energy Management, Social and economic sustainability at KRAIBURG Relastec

### Recycling of up to 60,000 t material

Every year, we process and recycle up to 60,000 tons of old tyres, closed-cell rubber and rubber production scrap.

### Reduction of $CO_2$ emissions

By using recycled rubber granulate, we save more than 130,000 tonnes of $CO_2$ emissions per year compared to virgin rubber.

### Corporate & Product Carbon Footprint

The CCF was developed in accordance with the Greenhouse Gas Protocol. The PCF is calculated in accordance with ISO 14067 and ISO 14040/44 audited.

### Environmental Product Declarations (EPDs)

Environmental Product Declarations (EPDs) are available for many products. You can download them from the relevant product pages or via kraiburg-relastec.com/en/epd

### Energy management according to ISO 50001

Our energy management system is identified according to ISO 50001. Energy-relevant topics are taken into account in all processes of the organisation.

### Certified environmental management system

Our environmental management system is certified in accordance with DIN EN ISO 14001:2015. This guarantees that an effective environmental management system is integrated and continuously improved.

### Member of NEW LIFE initiative

The declared aim of NEW LIFE is to demonstrate the advantages of recycled products from End-of-Life Tires (ELT) to the media, politicians and the general public and to motivate them to act sustainably. More information: www.initiative-new-life.de/en

### Recycling of end-of-life products

For us, sustainability means taking responsibility for the entire product life cycle. That is why we offer an in-house recycling service for end-of-life rubber granulate products. Find out more here: kraiburg-relastec.com/en/circular

### Voluntary rating

The ecovadis rating is an evaluation of companies with regard to CSR topics. This includes ethical aspects, sustainable procurement, the environment and ecological sustainability.

# CORPORATE CULTURE

Defined values, social norms and guidelines, for common action and cooperation inside and outside KRAIBURG Relastec.

### Equal opportunities

We stand for equal opportunity, diversity, inclusion and religious diversity.

### Social responsibility

Fair pay, collective bargaining, further training, career development, work-life integration.

### Respect

We are honest, reliable, respectful and trustworthy towards our colleagues and partners.

### Strong decision-making powers

We ensure speed in process handling, faster technology optimisationsand lean processes.

### Responsible for our actions

We take responsibility for all decisions and results. Error acceptance is firmly anchored in our culture.

### Transparency

We practice open, transparent cooperation both inside and outside the company.

# WHAT SETS US APART

### Personal contact persons

We do not hide behind support hotlines and contact forms. With us, you have personal, competent contact persons.

### Product quality

Our products meet the highest quality standards. They are durable, a perfect fit and made from high-quality raw materials.

### Innovation and product design

We continuously develop new products according to the requirements of our customers and the market.

### Internationality

With an export quota of over 50%, we have already exported our products to over 100 countries.

### Easy complaint management

Transparent and optimised processes ensure rapid processing.

### Flexibility with customer requirements

We offer our partners customised options for packaging, labelling and delivery, packaging, labelling and delivery.

### Long-term relationships

We maintain long-term relationships with our customers and suppliers based on mutual respect and fairness.

### Marketing support

We provide you with the best possible support in the form of images or in the design of your documents.

DAMTEC®

**Acoustics and Vibration Isolation**
made from rubber granules and polyurethane

KRAIBURG Relastec GmbH & Co.KG
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Made in Germany

qualityaustria SYSTEMZERTIFIZIERT
ISO 9001:2015 NR. 00186/0
ISO 14001:2015 NR. 05343/0
ISO 50001:2018 NR. 00070/0

CERTIFIED IQNet MANAGEMENT SYSTEM

U.S. GREEN BUILDING COUNCIL MEMBER

EMICODE GEV

CE

NEW LIFE INITIATIVE-NEW-LIFE.DE