

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

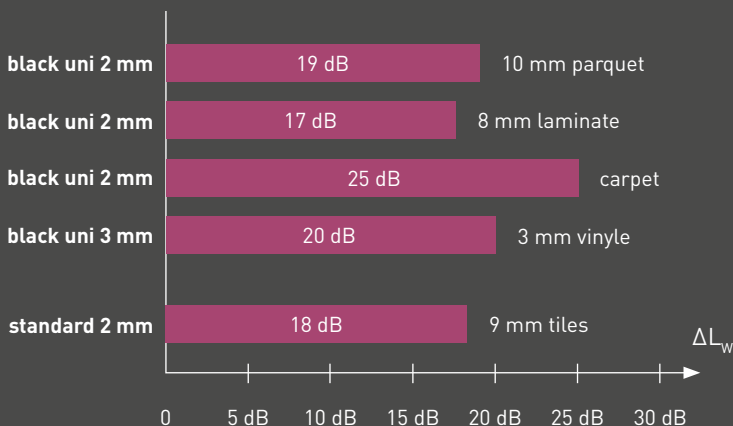


very low emission; very environment-friendly, recycled rubber can be recycled again

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

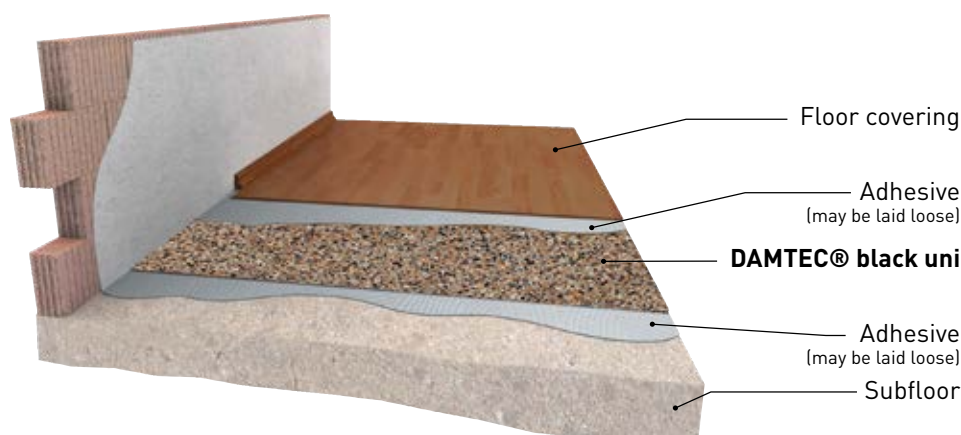


Savoy Hotel, Seychelles



DAMTEC® black uni

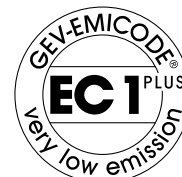
IDEAL FOR ACOUSTIC INSULATION UNDER PVC AND LINOLEUM



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	0.7 - 1.4 N/mm ² 20 - 50 %
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))

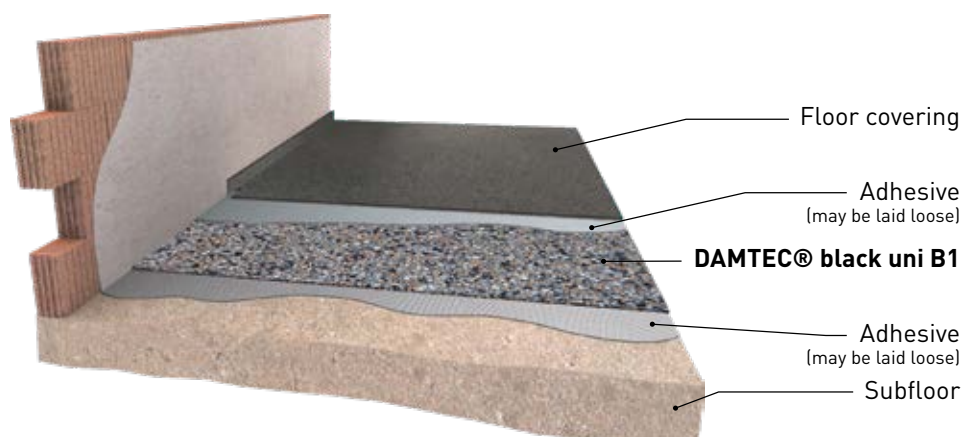
CE
ETA - 18/1054





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/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 20 - 50 %
Temperature resistance	-30° to + 80° C
Flammability rating	B _{fl} (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)]

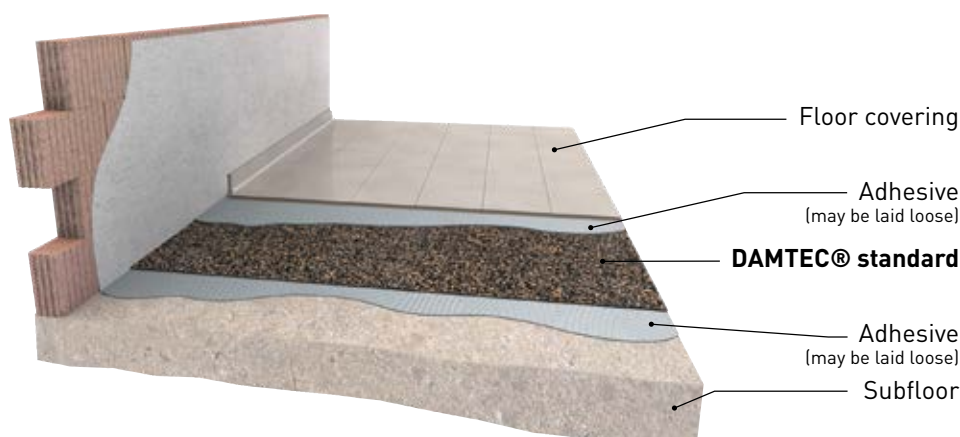
CE
ETA - 18/1054





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/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	> 0.5 N/mm ² > 20 %
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

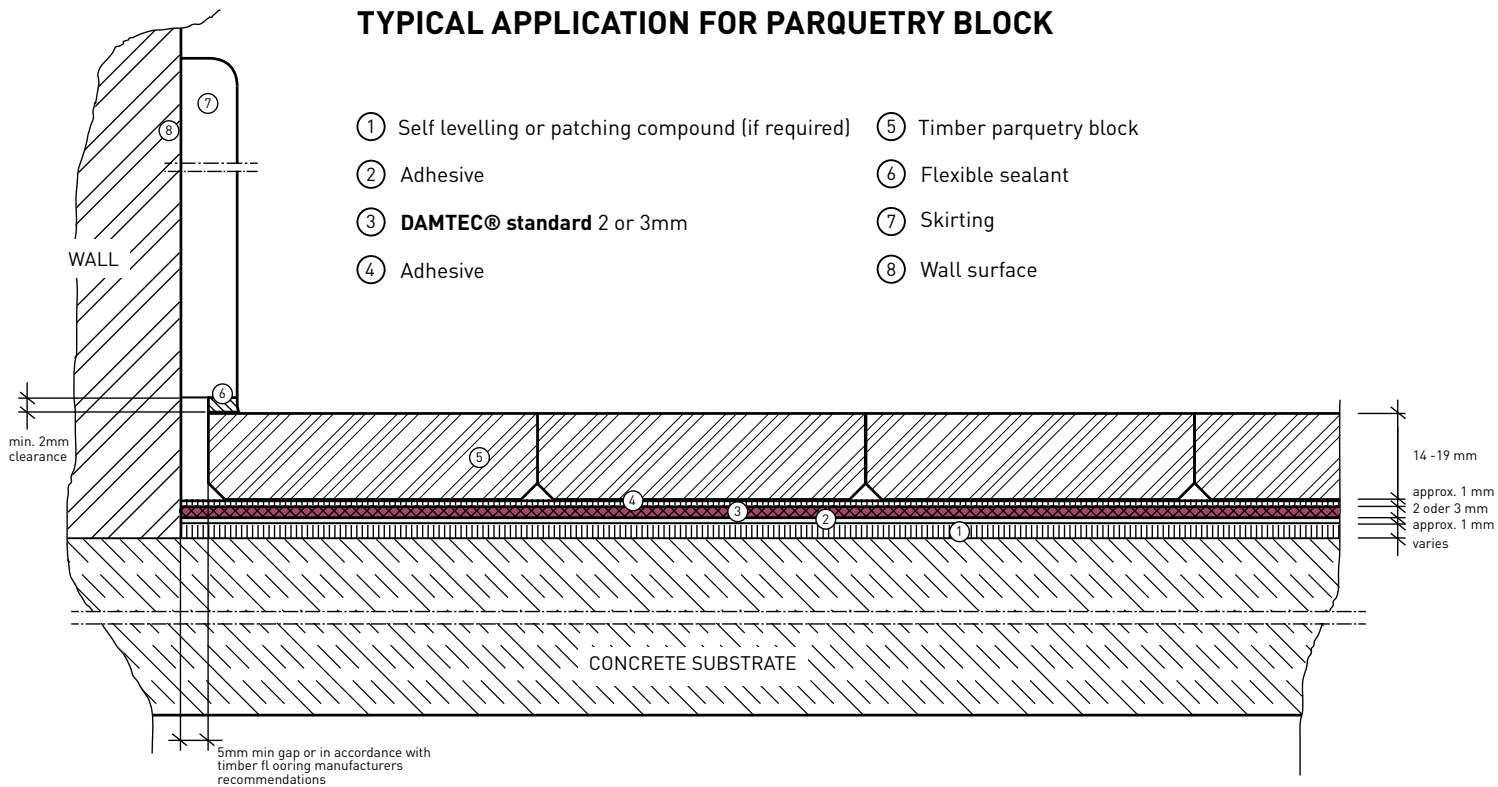


DAMTEC® project
Sheraton Jumeirah Beach, Dubai

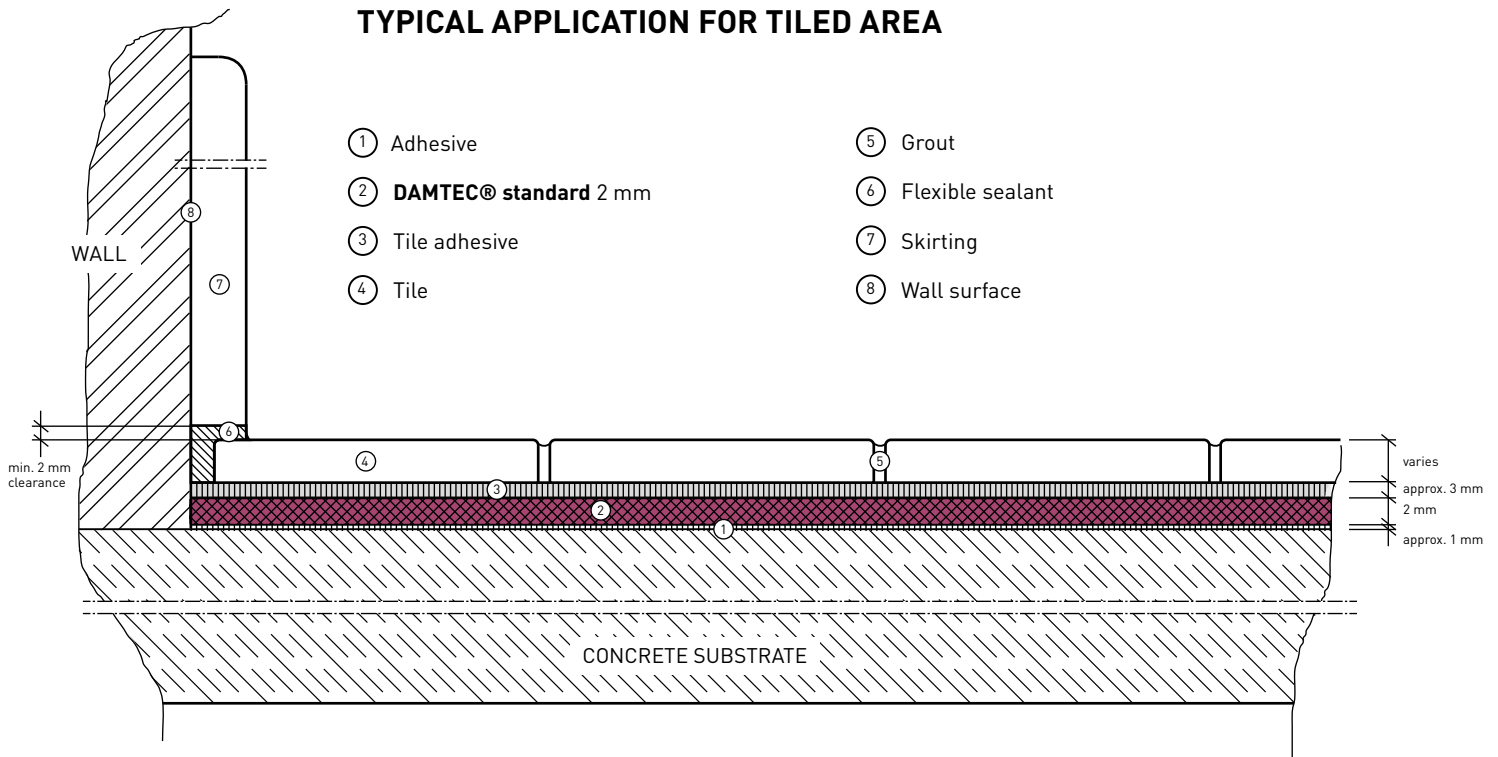


DAMTEC® project
T-Mobile Headquarter, Bonn, Germany

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



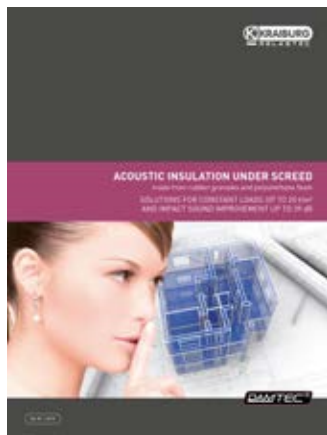
DAMTEC® project
Hilton Hotel, Melbourne, Australia

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



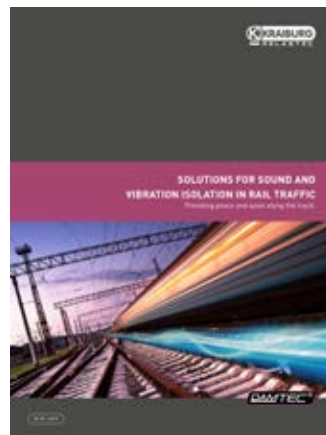
Brochure

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
DC Tower, Vienna, Austria



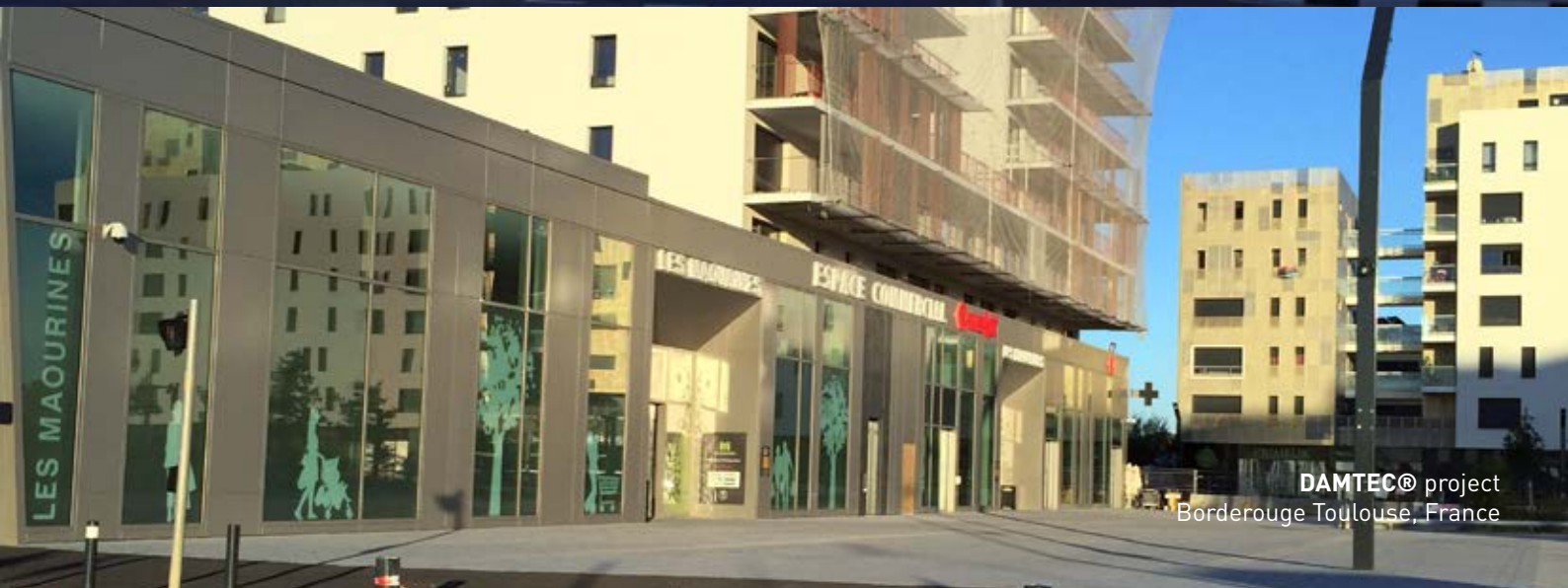
DAMTEC® project
University, Leipzig, Germany



DAMTEC® project
Savoy Hotel, Seychelles



DAMTEC® project
Grand Hyatt, Doha, Qatar



DAMTEC® project
Borderouge Toulouse, France



DAMTEC® project
Welle Lenzburg, Switzerland



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 foams and rubber production scrap.



Reduction of CO₂ emissions

By using recycled rubber granulate, we save more than 130,000 tonnes of CO₂ emissions per year compared to virgin rubber.



Corporate Carbon Footprint

The CCF was developed in accordance with the Greenhouse Gas Protocol audit.



Coming soon: Product Carbon Footprint

The PCF is measured in accordance with ISO 14067 and ISO 14040/44.



Energy management according to ISO 50001

Our energy management system is in accordance with ISO 50001 standards. Energy-relevant topics are taken into account in all processes of the organisation.



Bronze Rating

The ecovadis rating covers numerous management systems, including environmental impact and sustainable procurement. More information: www.ecovadis.com



Member of NEW LIFE initiative

The declared aim of NEW LIFE is to demonstrate the advantages of recycled products from End-of-Life Tyres (ELT) to the media, politicians and the general public and to motivate them to act sustainably.

More information: www.initiative-new-life.de/en



Social sustainability

Acting in accordance with our values such as equal opportunities, social responsibility, respectful treatment and transparency, is our foundation for practicing social sustainability.



Economic sustainability

As a family business, KRAIBURG Holding pursues a long-term strategy. Profits generated are used to a significant extent to make our holistic business model ever more efficient and future-proof.



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 optimisations and lean processes.



Responsible for our actions

We take responsibility for all decisions and results. Error acceptance and the strong will to correct and learn from them are firmly anchored in our culture.



Transparency

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



WHAT SETS US APART



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.



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.



Acoustics and Vibration Isolation

made from rubber granules and polyurethane

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