

ACOUSTICS AND VIBRATION ISOLATION

COMPLETE ACOUSTIC SOLUTIONS FOR URBAN AREAS



DAMTEC®



Offices



Gyms



Concert halls,
Cinemas, Museums



Schools, Training
centres



Recording studios,
Acoustics testing
laboratories



Public buildings



Hotels



Supermarkets &
Shops



Production and
Warehouses

Living space, commercial areas, shopping areas, hotels and industry are moving ever closer together. Effective impact sound insulation is therefore elementarily important for physical and mental well-being. DAMTEC® offers solutions for all industries and areas of application.



HOTELS
**FOR QUIET AND
RELAXING STAYS.**



Selected references

Reference	Product
Crown Plaza Hotels Istanbul, Doha, Abu Dhabi	different products
Grand Hyatt Hotel Doha	DAMTEC® estra
Savoy Hotel Seychelles	DAMTEC® estra
Hilton Hotels Melbourne, Tallin, Colombo, Istanbul	different products
Kempinski Hotel Falkenstein (Königstein)	DAMTEC® Resistant cork G
Hotel ViennArt	DAMTEC® standard pur
Radisson Blue Hotel	DAMTEC® black uni B1
Steigenberger Parkhotel Düsseldorf	DAMTEC® black uni B1
Astir Palace Athens	DAMTEC® wave 3D 8/4, 17/8, DAMTEC® standard DAMTEC® vibra medium
Oberoi Hotel Udaipur	DAMTEC® standard
Hotel Kursaal Montecatini Terme, Italy	DAMTEC® spezial
Intercontinental Hotel Doha	DAMTEC® estra
Sea Pearl Istanbul	DAMTEC® basic light / 3D
Palazzo Versace Dubai	DAMTEC® standard
Sheraton Jumeirah Beach Resort, Dubai	DAMTEC® standard
Lazzoni Hotel Istanbul	DAMTEC® vibra medium, vibrafoam
Sheraton Grand Samsun, Turkey	DAMTEC® vibra medium, multi
Bakirköy Hotel Istanbul	DAMTEC® multi
Aloft Hotel Abu Dhabi	DAMTEC® estra
Jumeirah Beach Hotel Dubai	DAMTEC® vibra medium
Marriott Hotel Tirana	DAMTEC® standard



SUPERMARKETS & SHOPS

COMBINING PLEASANT LIVING
AND SHOPPING IN THE CITY.



Borderouge, Toulouse, France

Selected retail references

Reference	Product
Lidl supermarkets	different products
Netto supermarkets	different products
REWE supermarkets	different products
Aldi supermarkets	different products
Penny supermarkets	different products
Merkur supermarkets	different products
Super U supermarkets	different products
Carrefour supermarkets	DAMTEC® 3D 17/8 DAMTEC® wave 3D 17/8
Monoprix markets	DAMTEC® 3D 17/8 DAMTEC® wave 3D 17/8
Eurovea Galleria, Bratislava, Slovakia	DAMTEC® estra
Migros supermarkets	DAMTEC® vibra soft, medium, ultra
Mall of Qatar, Doha	DAMTEC® vibrafoam



Merkur, Vienna, Austria





OFFICES & EDUCATIONAL FACILITIES
FOR HIGHER POWERS OF CONCENTRATION.



DC Tower, Wien, Österreich



Lufthansa Schulungszentrum Seeheim, Deutschland



High Rise Tower, Doha, Katar

Selected references

Reference	Product
DC 3 Tower, Vienna	DAMTEC® 3D 17/8 DAMTEC® vibra 3D
University Kolding, Denmark	DAMTEC® black uni
Vittel Headquarter, France	DAMTEC® pur
Skygarden Munich	DAMTEC® 3 D 17/9 DAMTEC® estra
T-Mobile Headquarter Cologne	DAMTEC® standard
Allianz Headquarter Munich	DAMTEC® whisper
Arnulfpark Munich	DAMTEC® estra
BMW Headquarter	DAMTEC® resistant cork
State Parliament of Lower Saxony	DAMTEC® wave 3D 8/4
German Bundesbank	DAMTEC® 3D 17/8
High Rise Office Building Doha, Qatar	DAMTEC® standard
Singapore Power HQ	DAMTEC® estra
Princess Nora Bint Abdulrahman University, Saudi Arabia	DAMTEC® estra
Lufthansa Training centre, Seeheim, Germany	DAMTEC® vibra 3D 17/9
University Leipzig	DAMTEC® vibra 3D 17/9
TU Dresden	DAMTEC® vibra soft
University Heidenheim	DAMTEC® vibra soft
Alfred-Wegener Institute, Bremerhaven	DAMTEC® estra
Nazarbayev University, Kazakhstan	DAMTEC® vibra medium
Commercial Bank Plaza, Doha	DAMTEC® estra
Palladium Tower Istanbul	DAMTEC® vibra medium, vibrafoam
University Kaiserslautern II	DAMTEC® estra 3D 8/4



PUBLIC BUILDINGS
FOR A PLEASANT STAY.



Selected references

Reference	Product
Royal Melbourne Child-rens Hospital	DAMTEC® standard
Casino Nanterre, France	DAMTEC® wave 3D 17/8
Casino Venissieux, France	DAMTEC® 3D 17/8 2x
Casino Auzerville, France	DAMTEC® 3D 25/7 2x
Casino Sathonay, France	DAMTEC® 3D 17/8 2x
Casino Blagnac, France	DAMTEC® 3D 25/7 2x
Musée Lalique, Wingen sur Moder, France	DAMTEC® vibra 3D 17/9 DAMTEC® vibra soft 15mm
Musée des Confluences	DAMTEC® 3 D 17/9
St. Johannes Hospital Dortmund	DAMTEC® estra
Hospital Leverkusen	DAMTEC® estra
Hospital Trier	DAMTEC® estra
Hospital Essen	DAMTEC® estra
Berliner State Library	DAMTEC® estra
Hospital Eisenstadt	DAMTEC® 3 D 17/9
Fraunhofer Institute Test lab, Leipzig	DAMTEC® estra 3 D 8/4
Qatar National Convention Centre Doha	DAMTEC® estra
Askabat Interational Air-port (Turkmenistan)	DAMTEC® vibra medium
Airport Mönchengladbach	DAMTEC® wave 3D 8/4
Airport business center 4 Stuttgart	DAMTEC® estra



FLATS

FOR PEACE AND QUIET WITHIN YOUR OWN HOME. AND IN THOSE OF THE NEIGHBOURS.



Palladium Tower, Istanbul, Turkey

Selected references

Reference	Product
Reef Island Bahrain	DAMTEC® estra 4 mm
Cranachhöfe City Apartments Essen	DAMTEC® wave 3D 17/8
Wembley City Regeneration, London	DAMTEC® standard eco
Nurol Tower Istanbul	DAMTEC® vibra medium, vibrafoam
Elm Apartments Melbourne	DAMTEC® standard
Treasury Residences Canberra	DAMTEC® standard
Quartier Neumarkt / Hamburg	DAMTEC® 3D 17/8
Emaar Square North Tower Istanbul	DAMTEC® multi



Ballymun Apartments, Dublin, Ireland



Auzeville-Tolosane, France



INDUSTRY

DECOUPLING OF THE BUILDING AND MACHINE FOUNDATIONS.



Selected references

Reference	Product
Domark Industries	DAMTEC® vibra 3D 25/7
Airbus hall 60, Stade	DAMTEC® vibra 3D 17/9

Bearings for a wide variety of machines/equipment:

- Ventilation systems
- heating systems
- server rooms
- Pressing and punching machines
- Polishing machines
- generators
- compressors
- all machines that cause strong vibrations

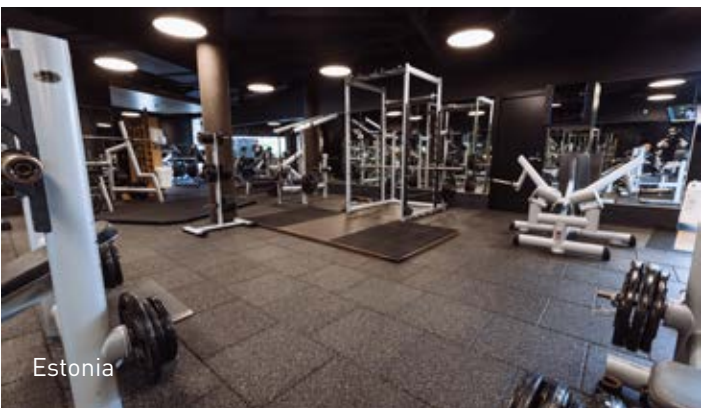




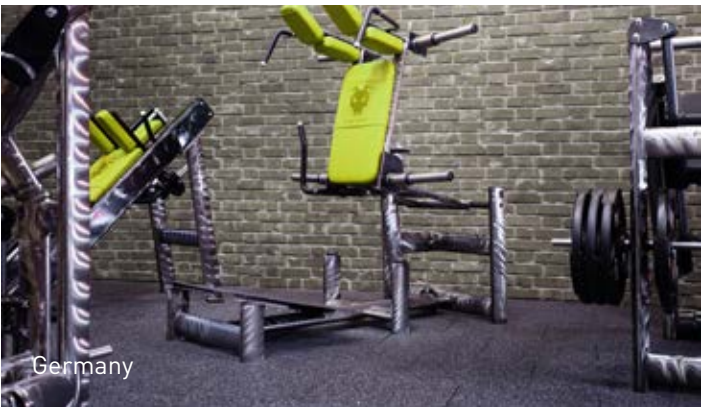
DAMTEC®  SPORTEC®

GYMS

FOR TOP ATHLETIC PERFORMANCE AND
MITIGATION OF NOISE PROBLEMS.



Estonia



Germany



Switzerland



Japan



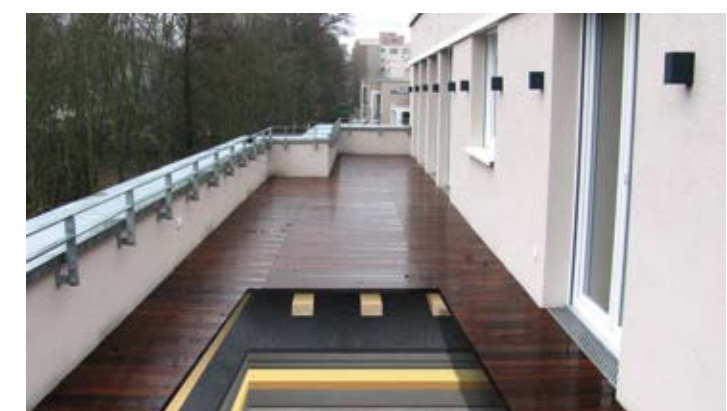
France



Australia



Schloss Elmau, Deutschland







ACOUSTIC INSULATION

UNDER FLOOR COVERINGS

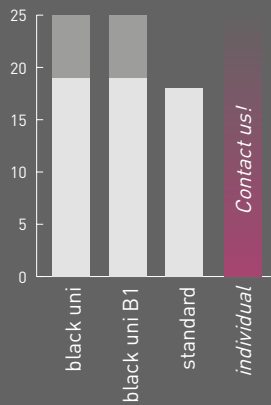
Customised product developments possible!



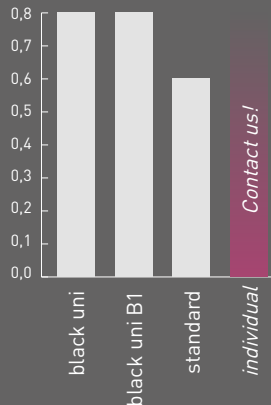
	DAMTEC® black uni	DAMTEC® black uni B1	DAMTEC® standard
Thickness	2, 3, 4, 5, 6 mm (± 0.3 mm)	2, 3, 4, 5, 6 (± 0.3 mm)	2, 3, 4, 5, 6 mm (± 0.3 mm)
ΔL_w	19-25 dB	19-25 dB	18-20 dB
Tensile strength	0.7 - 1.4 N/mm ²	0.7 - 0.8 N/mm ²	> 0.5 N/mm ²
Elongation at break	20 - 50 %	20 - 50 %	> 20 %
Flammability rating	E _{fl} (ISO 11925/EN 13501)	B _{fl} (ISO 11925/EN 13501)	E _{fl} (ISO 11925/EN 13501)
Approval	 ETA - 18/1054	 ETA - 18/1054	

Values for impact sound insulation ΔL_w depend on material thickness and floor covering used.
Notes on the legal situation regarding Ü/CE marking on www.kraiburg-relastec.com/damtec/ce

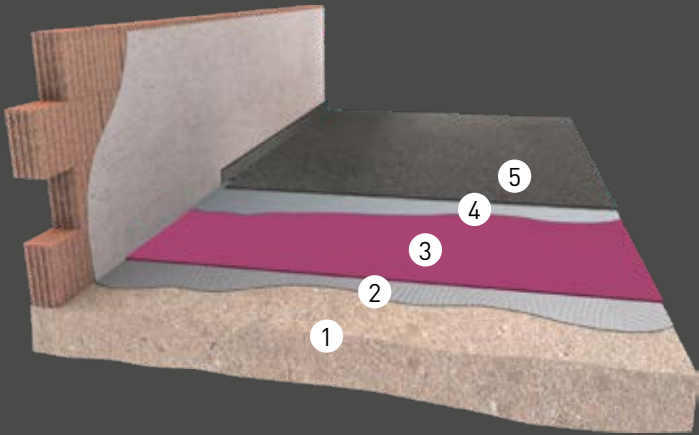
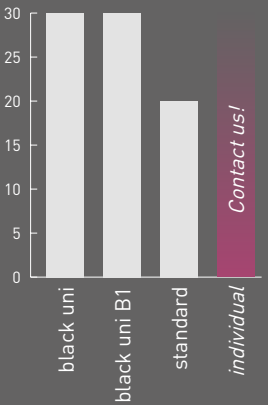
Impact sound improvement ΔL_w [dB]



Tensile strength [N/mm²]



Elongation at break [%]













- 1 Subfloor
- 2 Adhesive
- 3 DAMTEC® product
- 4 Adhesive
- 5 Floor covering

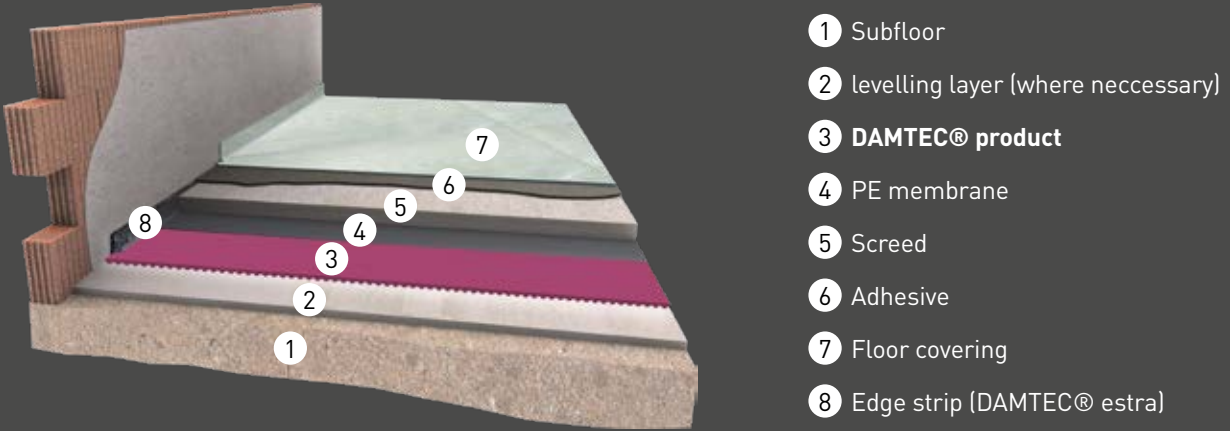
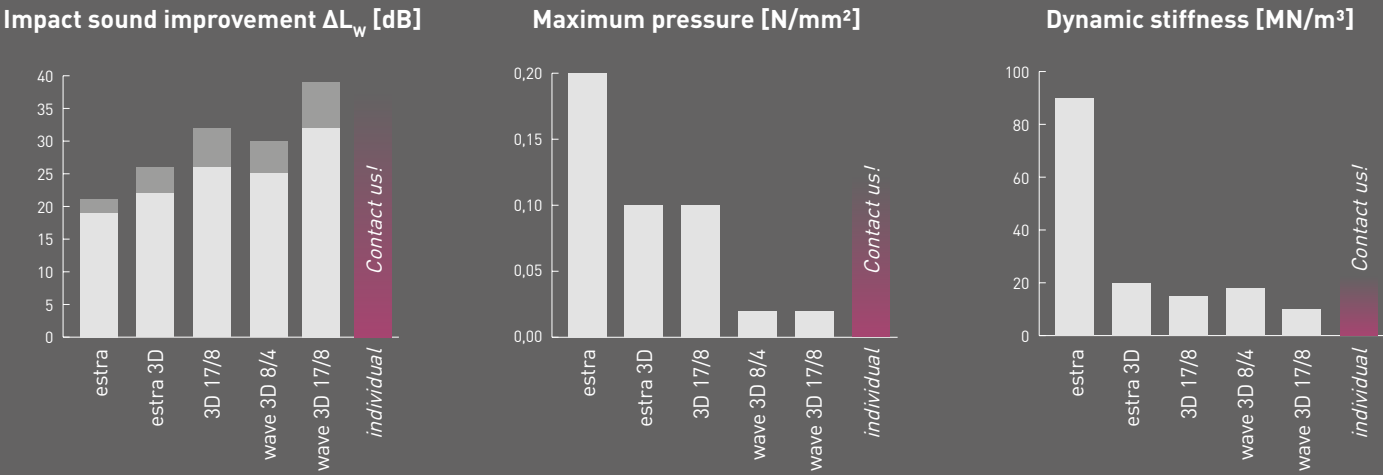


ACOUSTIC INSULATION

UNDER SCREED

Customised product developments possible!					
	DAMTEC® estra	DAMTEC® estra 3D 8/4	DAMTEC® 3D 17/8	DAMTEC® wave 3D 8/4	DAMTEC® wave 3D 17/8
Thickness	4, 6, 8 mm (± 0.3 mm)	8/4 mm (± 1.0 mm)	17/8 mm (± 1.0 mm)	8/4 mm (± 1.0 mm)	17/8 mm (± 1.0 mm)
ΔL_w	19-21 dB	22 dB	26-34 dB	25-30 dB	32-39 dB
Maximum pressure	0.20 N/mm ²	0.10 N/mm ²	0.10 N/mm ²	0.03 N/mm ²	0.03 N/mm ²
Dynamic stiffness	≤ 90 MN/m ³	< 20 MN/m ³	< 18 MN/m ³	18 MN/m ³	7 MN/m ³
Approval	 ETA - 13/0342	 ETA - 13/0572	 ETA - 16/0481	 ETA - 15/0358	 ETA - 15/0358

Values for impact sound insulation ΔL_w and dynamic stiffness depend on material thickness, screed height and floor covering used.
Notes on the legal situation regarding Ü/CE marking on www.kraiburg-relastec.com/damtec/ce



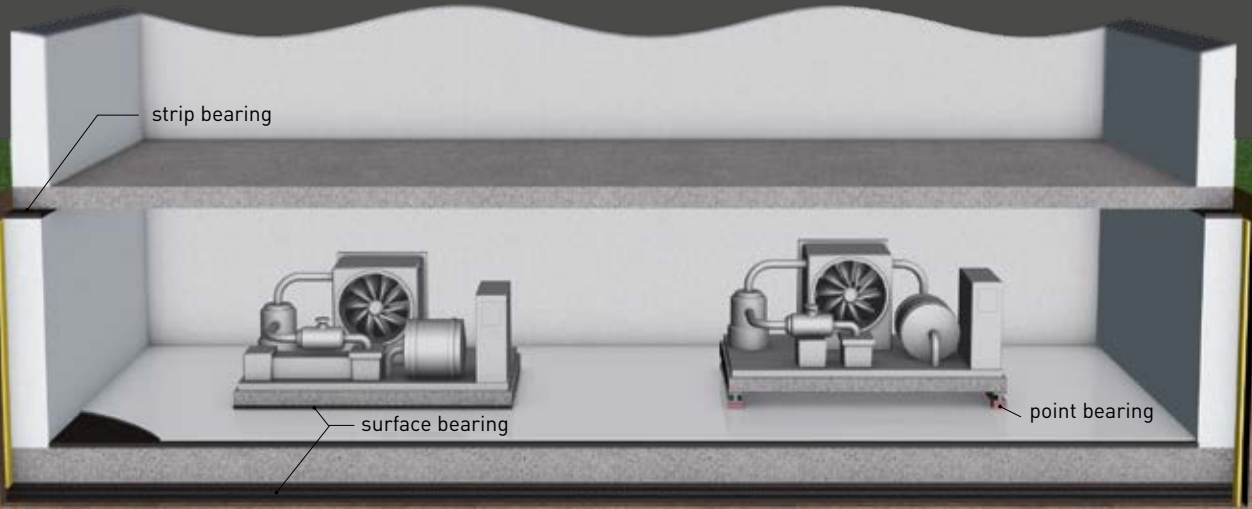
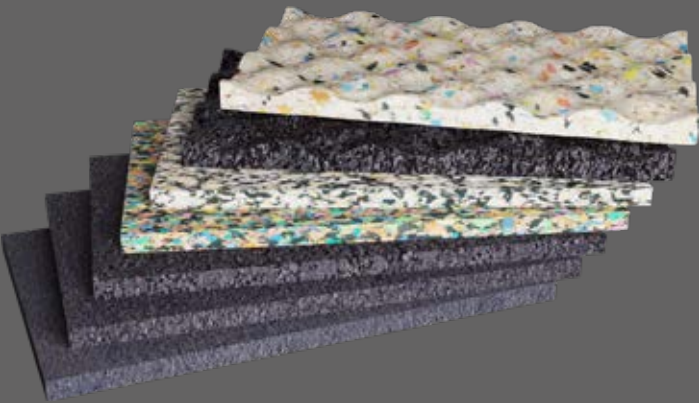
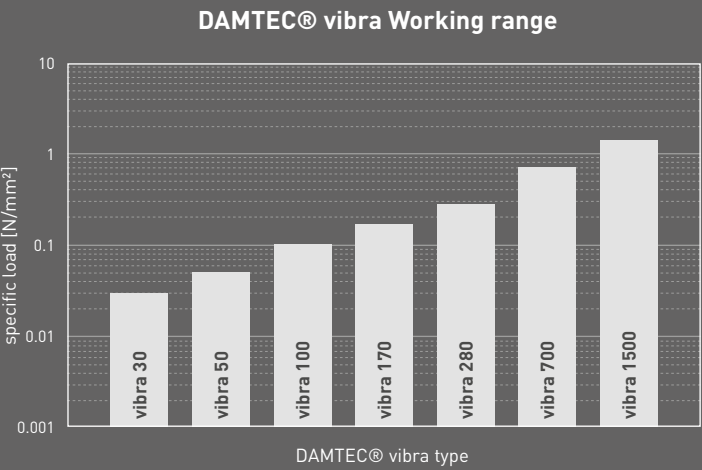


VIBRATION ISOLATION

BUILDINGS & INDUSTRY



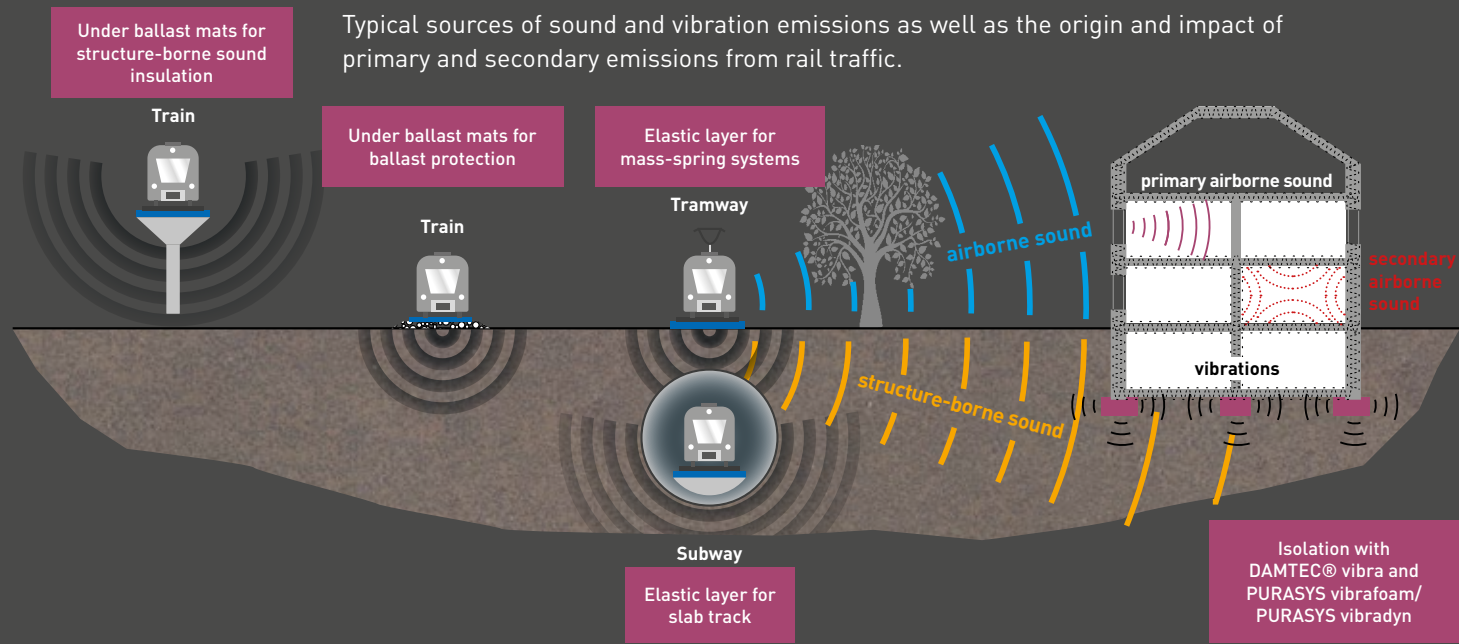
	DAMTEC® vibra 30	DAMTEC® vibra 50	DAMTEC® vibra 100	DAMTEC® vibra 170	DAMTEC® vibra 280	DAMTEC® vibra 700	DAMTEC® vibra 1500
Thickness	17/8 mm 25/7 mm	17/8 mm 25/7 mm	15, 20, 30 mm	15, 20, 30 mm	15, 20, 30 mm	15, 20 mm	10 mm
Maximum pressure	0.03 N/mm ²	0.05 N/mm ²	0.10 N/mm ²	0.17 N/mm ²	0.28 N/mm ²	0.7 N/mm ²	1.5 N/mm ²
Tensile strength	0.15 - 0.65 N/mm ²	> 0.2 N/mm ²	0.15 - 0.7 N/mm ²	0.15 - 0.55 N/mm ²	> 0.5 N/mm ²	> 0.5 N/mm ²	> 1.5 N/mm ²
Elongation at break	30 - 60 %	> 35 %	35 - 75 %	20 - 50 %	> 50 %	> 50 %	> 80 %
Load peak	0.07 N/mm ²	0.15 N/mm ²	0.30 N/mm ²	0.70 N/mm ²	1.50 N/mm ²	3.00 N/mm ²	4.00 N/mm ²





VIBRATION ISOLATION

RAIL



Approval by Deutsche Bahn AG

KRAIBURG Relastec is the only manufacturer to have received Deutsche Bahn qualification (HPQ, Q1 supplier) for under ballast mats made of rubber granulate. In particular, the use of granulate made from virgin material (no old tyre recycling) was a decisive criterion for the approval. DAMTEC® under ballast mats have been successfully used in the DB network for many years. Due to the worldwide recognition of the Deutsche Bahn standards, we can also look back on many years of project experience abroad.

Selected references in the railway sector

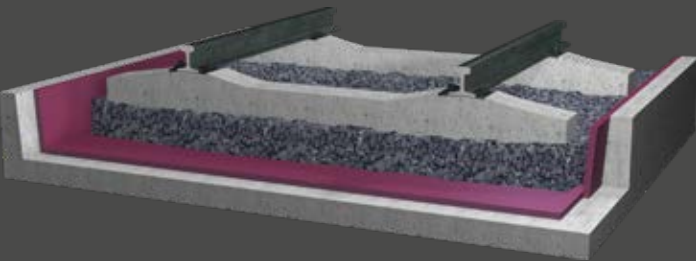


Reference	Product
Wiener Linien	DAMTEC® SBM
Belgrad rail corridor 10	DAMTEC® SBM
Munich 2. S-Bahn Main line	DAMTEC® SBM
Innsbruck, Austria	DAMTEC® MSS
Kuala Lumpur	DAMTEC® SBM
Freilassing-Salzburg	DAMTEC® SBM

Reference	Product
Ljubljana	DAMTEC® SBM
Graz Tram	DAMTEC® SBM
Berlin East Cross	DAMTEC® SBM
Berlin Central station	DAMTEC® MSS
Gent Tram	DAMTEC® MSS
Koralmbahn, Austria	DAMTEC® MSS
Zillertal-Bahn	DAMTEC® SBM

DAMTEC® SBM

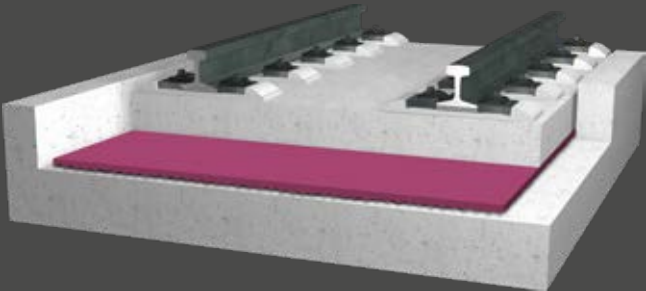
Under ballast mats



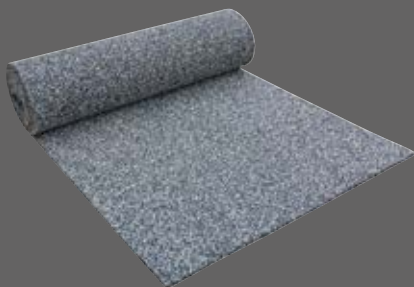
DAMTEC® SBM products are decoupling and protective mats under rail systems tested according to DIN 45673-5 (Mechanical vibrations - Elastic elements of the superstructure of rail tracks). They reduce structure-borne noise and secondary airborne sound as well as vibration emissions. In the case of ballasted track, the service life is extended by a lower and more uniform load. At the same time, they also protect engineering structures and seals.

DAMTEC® MSS

Full surface bearings for mass-spring systems



DAMTEC® MSS products are decoupling and protective mats under rail systems tested according to DIN 45673-7 (Mechanical vibration - Elastic elements of the superstructure of rail tracks). They reduce structure-borne and secondary airborne noise and vibration emissions when used in „slab track“ (mass-spring system). DAMTEC® MSS products are supplied in rolls. Mats are available on request.

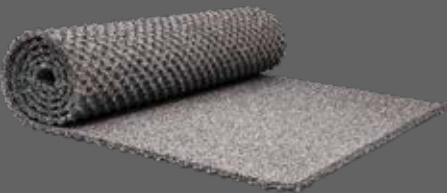


Products:

- DAMTEC® SBM K 10 • K 10 V*
- DAMTEC® SBM K 20 • K 20 V*
- DAMTEC® SBM K 23 • K 23 V*

Products with wave cut profile:

- DAMTEC® SBM K 17/8 • K 17/8 V*
- DAMTEC® SBM K 25/7 • K 25/7 V*
- * fleece-laminated variant



Products:

- DAMTEC® MSS K 10
- DAMTEC® MSS K 20
- DAMTEC® MSS K 23

Products with wave cut profile:

- DAMTEC® MSS K 17/8
- DAMTEC® MSS K 25/7



environment-friendly



reduce secondary
airborne sound



reduce the transmission of
structure-borne sound



keep track position stable for
longer period of time



low water absorption



extremely durable



protect the sensitive
waterproofing layer against
damage by the ballast



protect adjacent structures by
reducing vibrations



extend the life of the ballast



easy installation



reduce track maintenance
costs



extremely economical



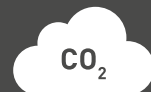
SUSTAINABILITY

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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Fuchsberger Straße 4 · D-29410 Salzwedel

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Fax +49 (0) 8683 701 -4124

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www.kraiburg-relastec.com/damtec

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