KRAIBURG RELASTEC

ACOUSTICS AND VIBRATION ISOLATION

COMPLETE ACOUSTIC SOLUTIONS FOR URBAN AREAS

DAMTEC®

EN #2 | 2026

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.

Sheraton Jumeirah Beach, Dubai

Grand Hyatt Doha, Qatar

Savoy Hotel, Seychelles

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 Therme, 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 Schulungscenter Seeheim, Deutschland

High Rise Tower, Doha, Katar

Selected references

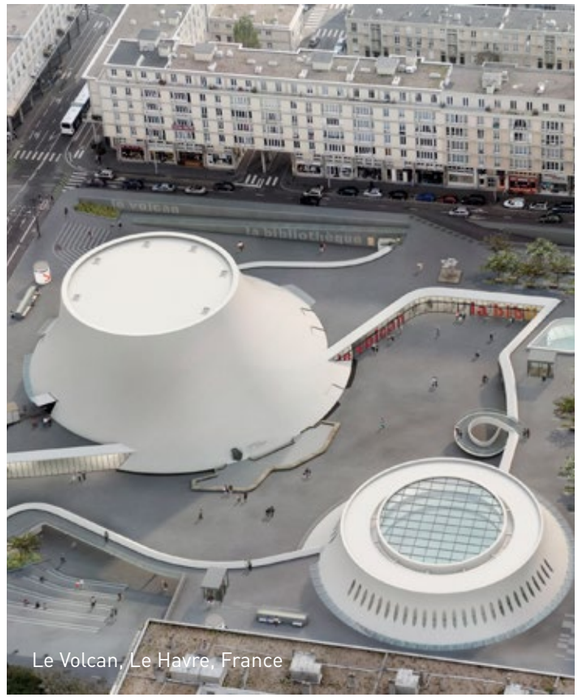
Reference	Product
DC 3 Tower, Vienna	DAMTEC® 3D 17/8 DAMTEC® vibra 3D
University Kolding, Denmark	DAMTEC® black uni
Vittel Headquarter, France	DAMTEC® pur
Skygarden Munich	DAMTEC® 3 D 17/9 DAMTEC® estra
T-Mobile Headquarter Cologne	DAMTEC® standard
Allianz Headquarter Munich	DAMTEC® whisper
Arnulfpark 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 Abdul-rahman 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.

QNCC Doha, Qatar

Melbourne, Australia


Le Volcan, Le Havre, France

Selected references

Reference	Product
Royal Melbourne Childrens Hospital	DAMTEC® standard
Casino Nanterre, France	DAMTEC® wave 3D 17/8
Casino Venissieux, France	DAMTEC® 3D 17/8 2x
Casino Auzeville, 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 Airport (Turkmenistan)	DAMTEC® vibra medium
Airport Mönchengladbach	DAMTEC® wave 3D 8/4
Airport business center 4 Stuttgart	DAMTEC® estra

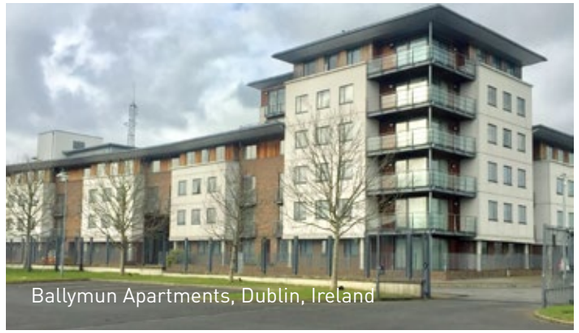
FLATS

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

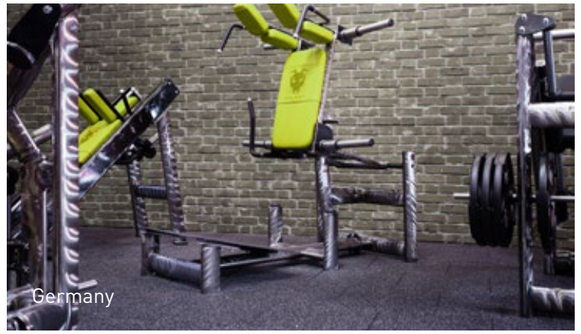
Reference	Product
Domark Industries	DAMTEC® vibra 3D 25/7
Airbus hall 60, Stade	DAMTEC® vibra 3D 17/9
Bearings for a wide variety of machines/equipment: • Ventilation systems • heating systems • server rooms • Pressing and punching machines • Polishing machines • generators • compressors • all machines that cause strong vibrations	Product individual according to requirement

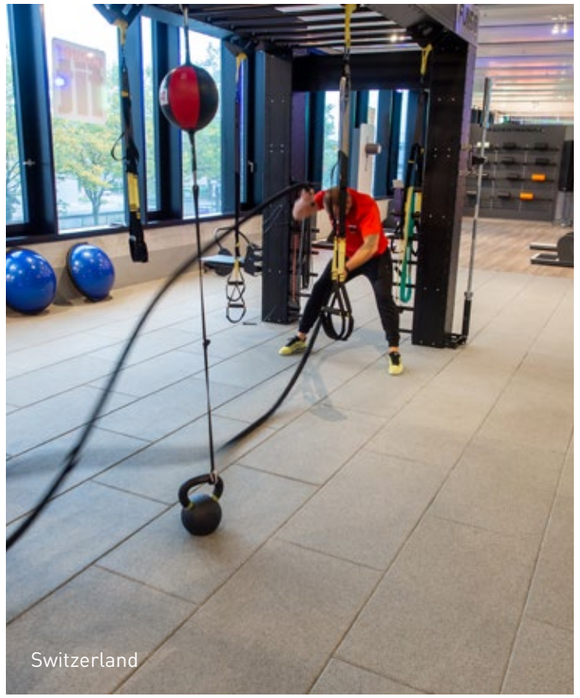
DAMTEC® SPORTEC®

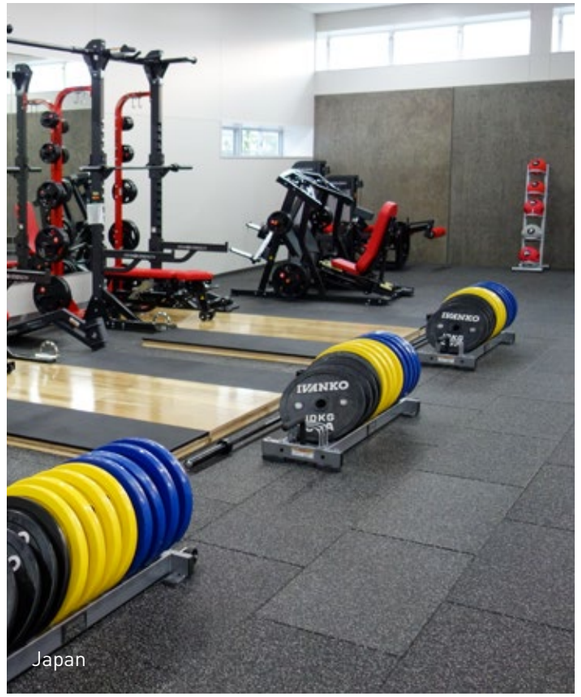
GYMS

FOR TOP ATHLETIC PERFORMANCE AND MITIGATION OF NOISE PROBLEMS.

Estonia


Germany

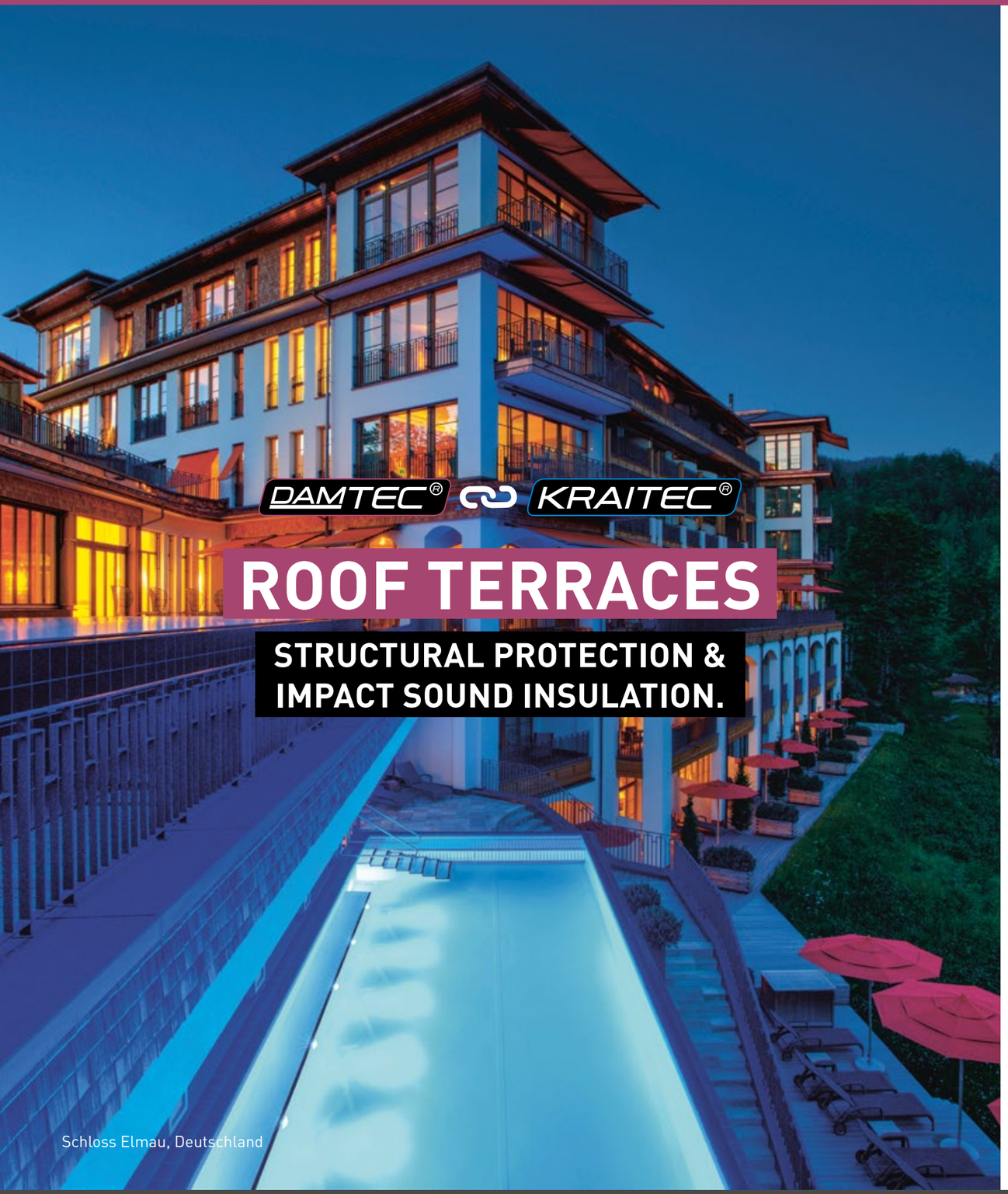

Switzerland



Japan

France

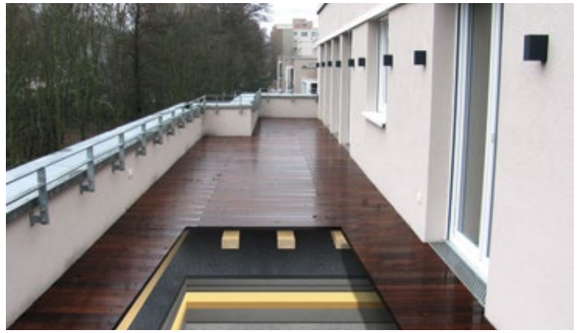
Australia



ROOF TERRACES

STRUCTURAL PROTECTION & IMPACT SOUND INSULATION.

Schloss Elmau, Deutschland



ACOUSTIC INSULATION

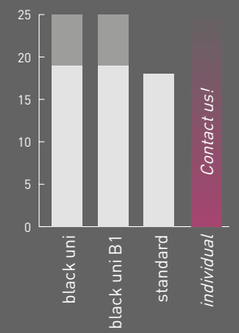
UNDER FLOOR COVERINGS

Customised product developments possible!

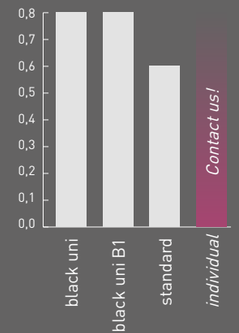
	DAMTEC® black uni	DAMTEC® black uni B1	DAMTEC® standard
Thickness	2, 3, 4, 5, 6 mm (± 0.3 mm)	2, 3, 4, 5, 6 (± 0.3 mm)	2, 3, 4, 5, 6 mm (± 0.3 mm)
Δ L_w	19-25 dB	19-25 dB	18-20 dB
Tensile strength	0.7 - 1.4 N/mm²	0.7 - 0.8 N/mm²	> 0.5 N/mm²
Elongation at break	20 - 50 %	20 - 50 %	> 20 %
Flammability rating	E_{fl} (ISO 11925/EN 13501)	B_{fl} (ISO 11925/EN 13501)	E_{fl} (ISO 11925/EN 13501)
Approval	CE ETA - 18/1054	CE ETA - 18/1054	

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

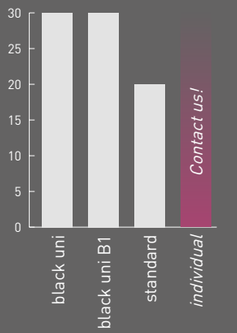
Impact sound improvement ΔL_w [dB]

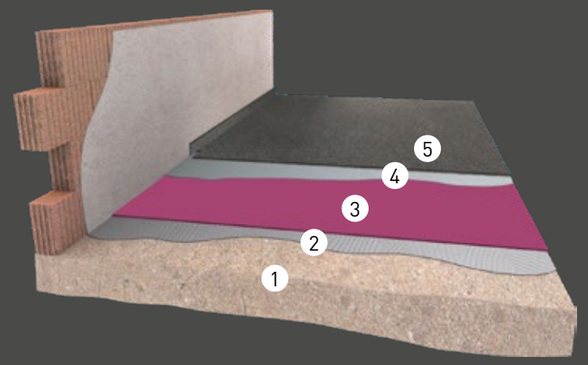


Tensile strength [N/mm²]



Elongation at break [%]





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

ACOUSTIC INSULATION

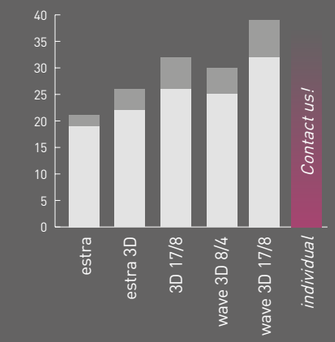
UNDER SCREED

Customised product developments possible!

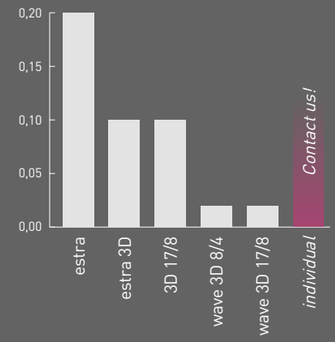
	DAMTEC® estra	DAMTEC® estra 3D 8/4	DAMTEC® 3D 17/8	DAMTEC® wave 3D 8/4	DAMTEC® wave 3D 17/8
Thickness	4, 6, 8 mm (± 0.3 mm)	8/4 mm (± 1.0 mm)	17/8 mm (± 1.0 mm)	8/4 mm (± 1.0 mm)	17/8 mm (± 1.0 mm)
Δ L_w	19-21 dB	22 dB	26-34 dB	25-30 dB	32-39 dB
Maximum pressure	0.20 N/mm²	0.10 N/mm²	0.10 N/mm²	0.03 N/mm²	0.03 N/mm²
Dynamic stiffness	⩽ 90 MN/m³	< 20 MN/m³	< 18 MN/m³	18 MN/m³	7 MN/m³
Approval	CE ETA - 13/0342	CE ETA - 13/0572	CE ETA - 16/0481	CE ETA - 15/0358	CE ETA - 15/0358

Values for impact sound insulation ΔLw 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

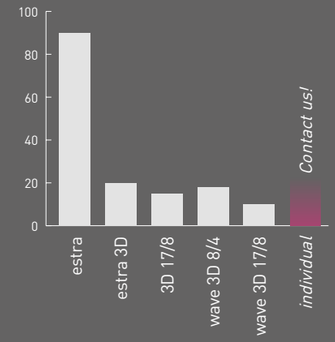
Impact sound improvement ΔL_w [dB]

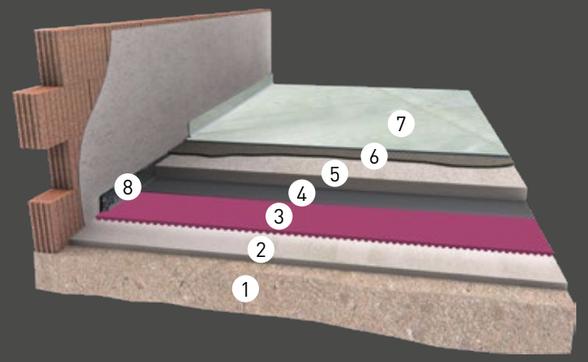


Maximum pressure [N/mm²]



Dynamic stiffness [MN/m³]





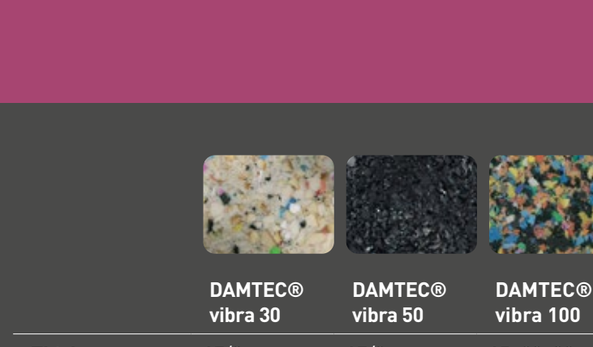
1. Subfloor
2. levelling layer (where neccessary)
3. **DAMTEC® product**
4. PE membrane
5. Screed
6. Adhesive
7. Floor covering
8. Edge strip (DAMTEC® estra)

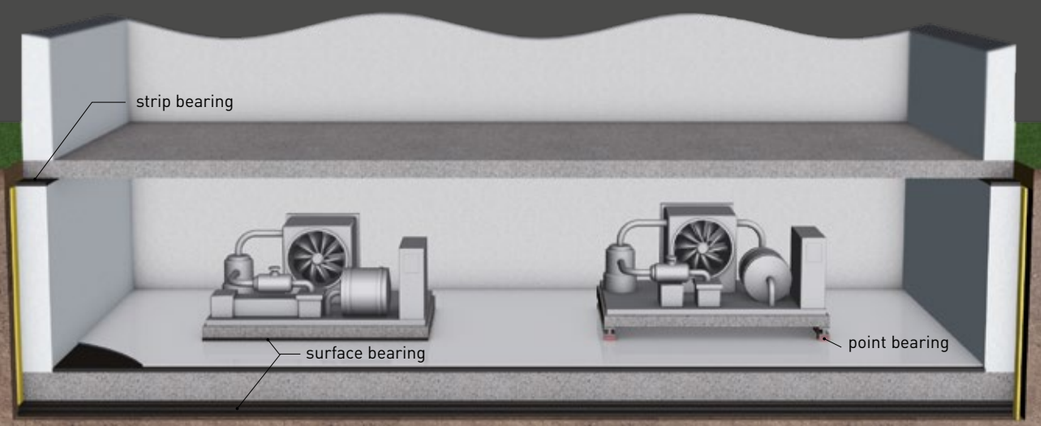
VIBRATION ISOLATION

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/mm²	0.05 N/mm²	0.10 N/mm²	0.17 N/mm²	0.28 N/mm²	0.7 N/mm²	1.5 N/mm²
Tensile strength	0.15 - 0.65 N/mm²	> 0.2 N/mm²	0.15 - 0.7 N/mm²	0.15 - 0.55 N/mm²	> 0.5 N/mm²	> 0.5 N/mm²	> 1.5 N/mm²
Elongation at break	30 - 60 %	> 35 %	35 - 75 %	20 - 50 %	> 50 %	> 50 %	> 80 %
Load peak	0.07 N/mm²	0.15 N/mm²	0.30 N/mm²	0.70 N/mm²	1.50 N/mm²	3.00 N/mm²	4.00 N/mm²

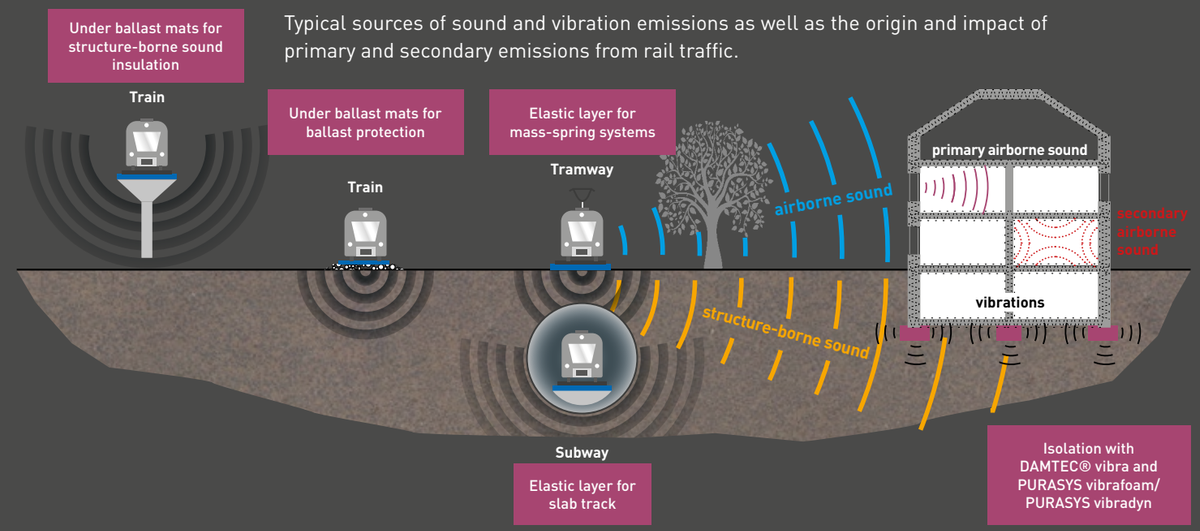
DAMTEC® vibra Working range



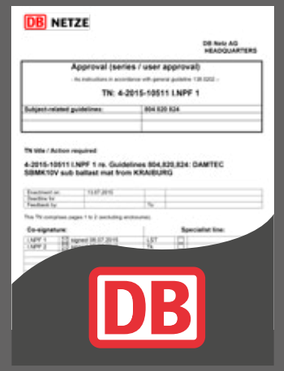


VIBRATION ISOLATION

RAIL



Typical sources of sound and vibration emissions as well as the origin and impact of primary and secondary emissions from rail traffic.



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

Q1 DB KRAIBURG Relastec

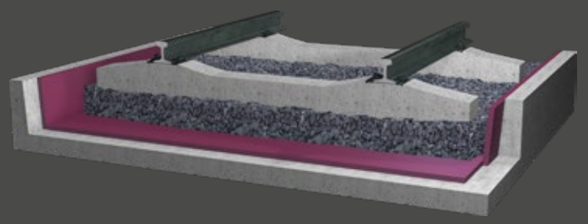
Reference	Product
Wiener Linien	DAMTEC® SBM
Belgrad rail corridor 10	DAMTEC® SBM
Munich 2nd Main line	DAMTEC® SBM
Innsbruck, Austria	DAMTEC® MSS
Kuala Lumpur	DAMTEC® SBM
Freilassing-Salzburg	DAMTEC® SBM
Ellinikon Athen	DAMTEC® MSS BR / SBM

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

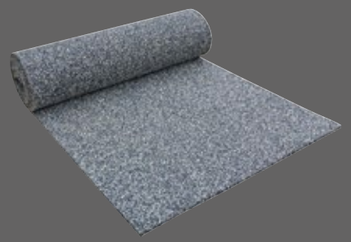
RAILWAY APPLICATIONS AND PRODUCTS

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.



Products:

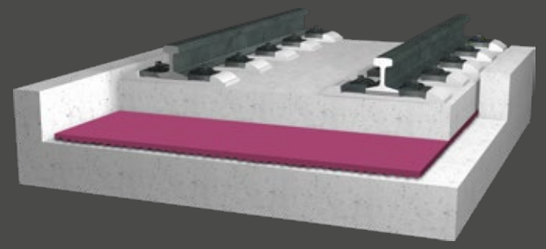
DAMTEC® SBM K 10 • K 10 V*
DAMTEC® SBM K 20 • K 20 V*
DAMTEC® SBM K 23 • K 23 V*

Products with wave cut profile:

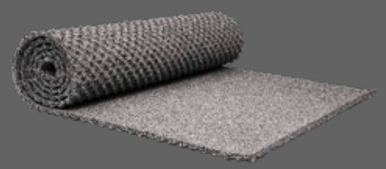
DAMTEC® SBM K 17/8 • K 17/8 V*
DAMTEC® SBM K 25/7 • K 25/7 V*
* fleece-laminated variant

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® 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

ADVANTAGES OF DAMTEC® PRODUCTS

- reduce the transmission of structure-borne sound
- reduce secondary airborne sound
- Made from post-industrial, recycled elastomers
- 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 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 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

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.

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