

DAMTEC[®]
ACOUSTIC UNDERLAY
PROVIDING YOU PEACE AND QUIET

"DIRECT-STICK"
VINYL SHEET FLOORING APPLICATIONS
with Damtec[®] Resilient



Manufactured by



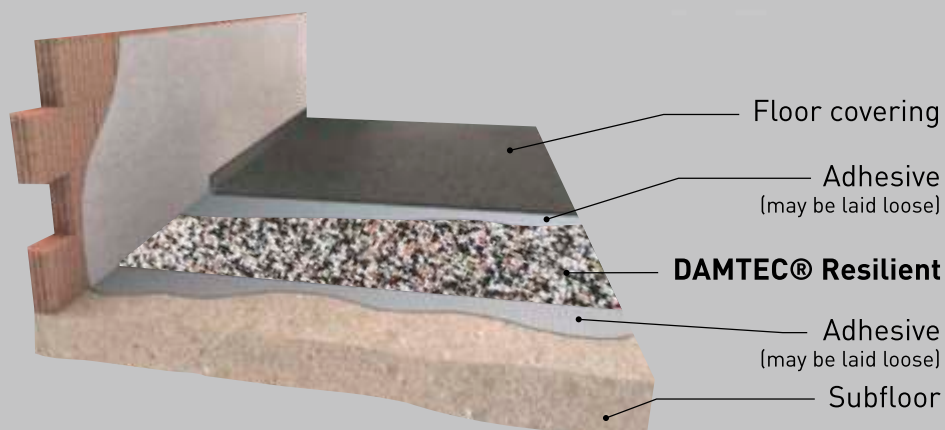
made
in
Germany

Engineered solutions against impact sound



DAMTEC® Resilient

ACOUSTIC UNDERLAY FOR IMPACT SOUND IMPROVEMENT UNDER VINYL SHEET / LINO APPLICATIONS



DAMTEC® Resilient is a specifically manufactured acoustic underlay as a impact sound treatment for vinyl sheet and LVT applications.

This underlay is a 100% inert product. It is also a plasticiser, migration free product, critical for vinyl and lino sheet applications.

Material	High quality granules of recycled PU foam with cork and PU elastomer bonding agent.
Density	530 - 630 kg/m ³
Thicknesses	2 (± 0.3 mm)
Roll width / Roll length	1,000 mm (± 1.5 %), 30 l/m (± 1.5 %)
Tensile strength	0.5 - 1.0 N/mm ² (ISO 1798)
Elongation at break	20% - 50% (ISO 1798)
Temperature resistance	-30° to + 80° C
Flammability rating	E _{fl} (ISO 11925/EN 13501)

*** Note: All testing conducted on ONLY 140mm thick concrete slab with NO CEILING and in accordance with ISO 10140 with results calculated in accordance with ISO 717.2 (as per B.C.A. requirements.)**

Test report No:	Floor covering	DAMTEC® Underlay Thickness (mm)	Ln,w	Compliant to BCA/NCC Ln,w 62 or less
DAMTEC® Resilient		2mm		
A-2022-054-02	Adhered under 2mm Homogenous Sheet		55	✓
A-2022-055-02	Adhered under 2mm Heterogenous Sheet		55	✓
A-2022-056-02	Adhered under 2mm Safety Sheet		54	✓
A-2022-057-02	Adhered under 2mm LVT		55	✓
A-2022-058-02	Adhered under 2.5mm LVT		55	✓
A-2022-059-02	Adhered under 3mm LVT		57	✓

DAMTEC® FEATURES AND BENEFITS

- Minimum effect on floor heights and threshold points.
- Manufactured using exclusive, high grade, recycled materials.
- Damtec® Resilient is a completely inert and plasticiser free underlay. Contains no rubber.
- Manufacturer's warranty for no migration or leaching through to floor finish surface.
- All products tested are compliant to the Building Code of Australia (Part F5).
- All products are ECO friendly and certified (Including LEED certified).
- All products contain recycled raw materials that can be recycled again.
- Minimises hollow clicking sounds and reverberations under flooring.
- Fully warranted & compatible floor systems with leading adhesive manufacturers.
- Outstanding long-term, compressive strength and load bearing performance.
- Superior resistance to moisture absorption and rot degradation.
- PVC free.
- Low VOC and low odour.
- Allows for easy and quick installation.

1. GENERAL INFORMATION

The following instructions are recommendations based on our experience with installers and material suppliers.

Concrete and timber substrates should be straight, clean and dust free. (IE: a keyable finish.) Any laitance residue or curing compound on the substrate's surface should be removed prior to the installation of the DAMTEC® acoustic underlays.

Observe other building materials' installation and data sheets such as, adhesives, waterproofing membranes, screed mixing ratios etc...etc...

It is strongly advised that upon completion of installation, no tradespersons are to walk over the acoustic underlay for a minimum of 24 hours. Please try and close doors behind you. In the event that this is not practical, please ensure that the underlay is covered with an appropriate cover.



2. SUBSTRATE PREPARATION

Check and prepare substrate in accordance with the relevant Australian Standards.

Concrete substrates are to be free of "hydrostatic pressure."

All substrates must conform to the national sub base regulations. They must be level, clean, firm, stable bearing, dry, free of cracks and free of substances which reduce adhesion (e.g. oil, dust, abrasion debris, old paint etc.)

All concrete substrates are to possess a moisture content reading of less than 5%.

If required, an appropriate primer or moisture barrier membrane is to be installed prior to the installation of the DAMTEC® acoustic underlay products.

Check the adhesive manufacturer's usage instructions for possible special procedures which might need to be adhered to regarding levelling compounds or primers.

3. STORAGE / PREPARATION

The DAMTEC® acoustic underlay rolls should be stored horizontally and in dry areas at constant temperature.

Roll out, loose lay and butt join the underlay ensuring that it is slightly larger than the surface to be covered.

Loose lay the underlay perpendicular to the subsequent installation direction of the floor finish.

Leave the underlay in place for a minimum of 12 hours.

This initial process is vital, as it allows for dimensional relaxation and temperature equilibration to the rooms characteristics.

At the edges, near vertical components like walls, ensure you have at least 50mm extra material running up the walls to allow for a tight cut in after the relaxation period.

4. INSTALLATION - Adhering DAMTEC® acoustic underlay to substrate.

Once the relaxation period has ended and prior to adhering, cut all excess acoustic underlay to the exact dimensions of the surface to be covered with a straight-edge and sharp stanley knife.

Pull back the DAMTEC® acoustic underlay to about halfway and observing the adhesive manufacturers' installation instructions. Trowel adhesive using a 2.4mm, V-Notch trowel or as otherwise recommended.

Pick up the underlay and very carefully lay the DAMTEC® acoustic underlay into the adhesive whilst still wet.

Move to the opposite side and carry out the same process. Once the first strip is complete, move onto the next, adjacent strip ensuring and checking that each strip is tightly butt-joined with no overlaps and NO GAPS.

It is advised that you begin the bonding of the DAMTEC® acoustic underlay from the furthest point of the room and work back towards the entry, hence minimising the need to step on the installation once completed.

Allow appropriate time for temperature equilibration of adhesive and floor finish materials as specified by the respective manufacturers' instructions.

5. INSTALLATION OF FLOOR FINISH

The nominated floor finish is to be installed on top of the cured DAMTEC® acoustic underlay in accordance with the relevant floor and adhesive manufacturers' specifications and / or requirements.

When installing DAMTEC® acoustic underlays in conjunction with vinyl sheet flooring, you should ensure products are checked for suitability prior to installation via seeking approval for use from the vinyl manufacturer or, as we recommend carrying out an on site trial by installing the underlay and the floor finish at the commencement of the project to ensure the final floor finish is satisfactory.

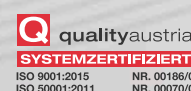
Castor behaviour and impression on floor finishes can change in accordance with the acoustic underlay used.

Only use underlays approved by the floor manufacturer. Prior to any installation work, carefully read and observe the usage instructions and installation guidelines of the adhesive and floor finish manufacturers. In case of doubt, please contact the manufacturer's engineering department for advice.

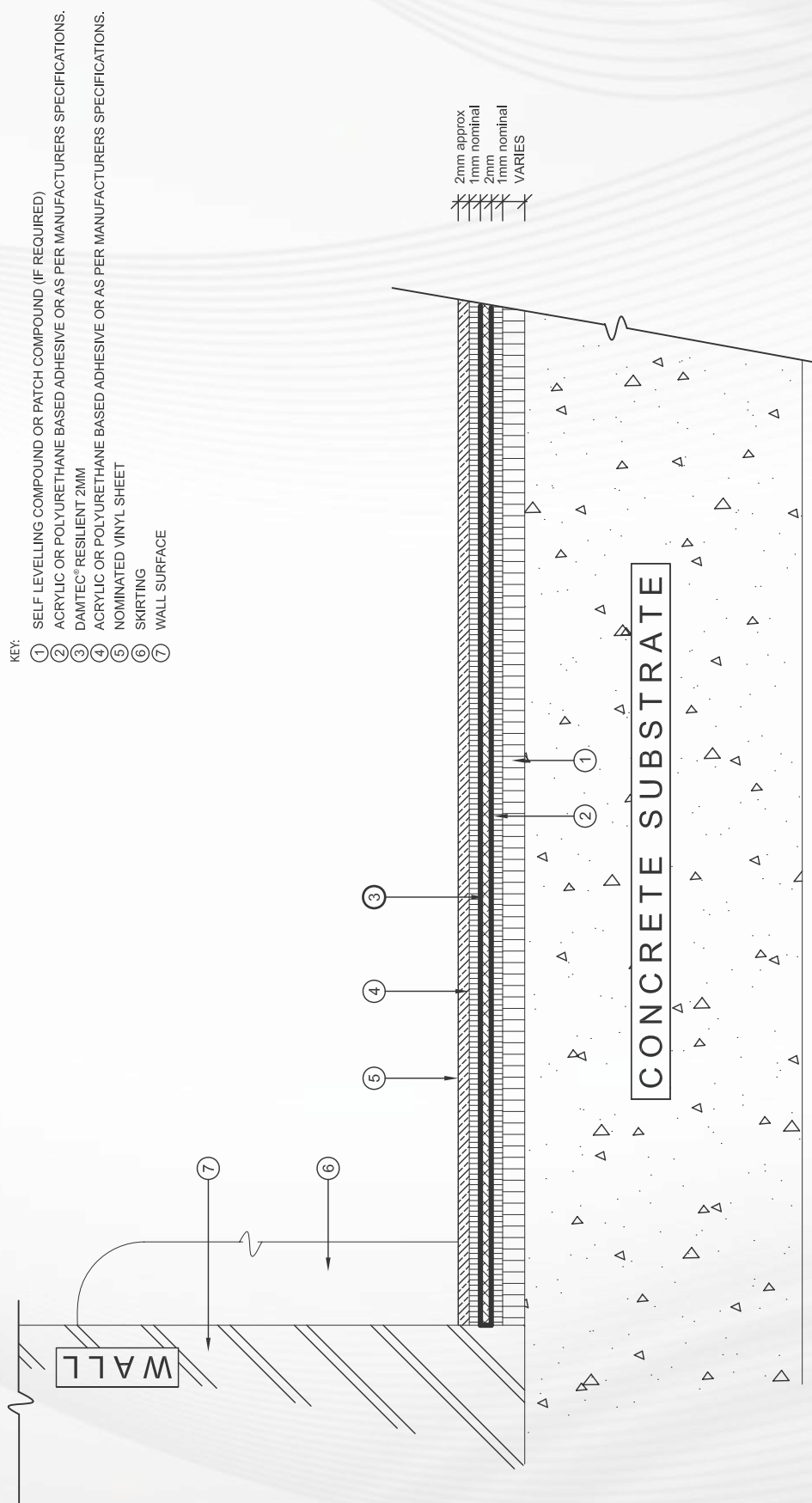
Once the flooring has been installed, DAMTEC® Australasia does not accept any liabilities or responsibility.

Should an issue be identified prior to the installation please contact your DAMTEC® representative and cease the installation of the floor covering.

DISCLAIMER: The general information provided is based on commonly accepted installation practises for acoustic underlay flooring products. The information is not intended to constitute expert advice. To suit your specific site conditions, it is recommended to seek further advice on your application with technical staff prior to use. Damtec® Australasia shall not be liable for incidental and/or consequential damages directly or indirectly sustained, nor any loss caused by not complying with relevant industry/product standards and improper use of any Damtec® products. Due to varying construction methods, any other circumstances not stated above should be brought to the attention of Damtec® Australasia for review. For suitability to the prevailing site conditions, it is advised that you consult with a certified and industry accredited acoustic consultant and conduct on-site testing for verification of performance as results may vary.



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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
Royal Children's Hospital, Melbourne, Australia



DAMTEC® project
Sheraton Jumeirah Beach, Dubai



DAMTEC® project
T-Mobile Headquarter, Bonn, Germany

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Head Office (Vic):

Damtec Australasia Pty Ltd

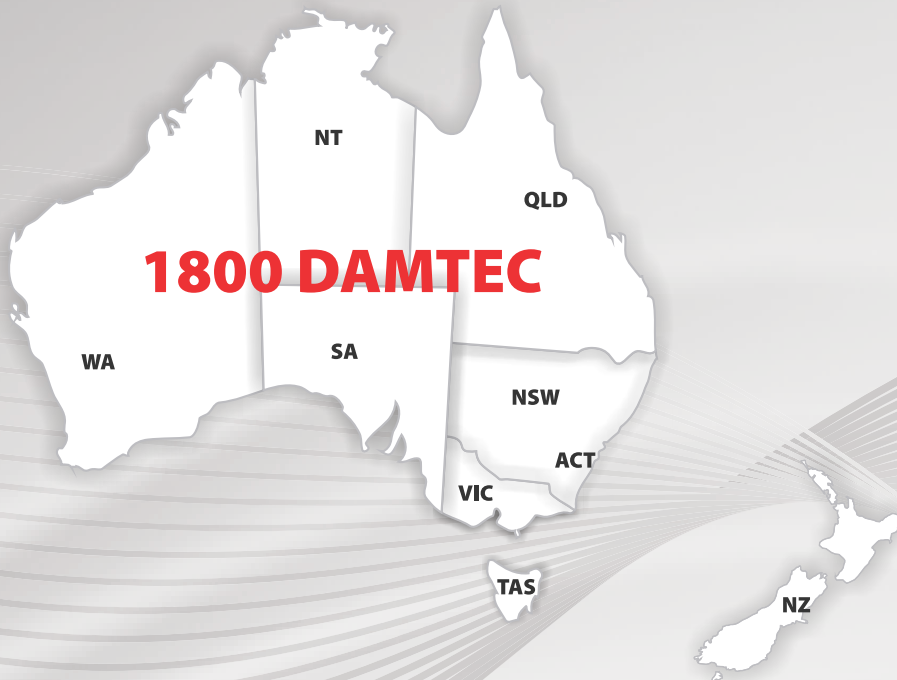
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