

High performance  
cushion for carpet tiles



**DUNLOP**  
**MODULAY®**

# Modulay<sup>®</sup> adds comfort and support to carpet tiles and selected

Choosing the correct cushion adds comfort and support to hard working carpet tiles and selected textile floor coverings in heavytraffic environments.

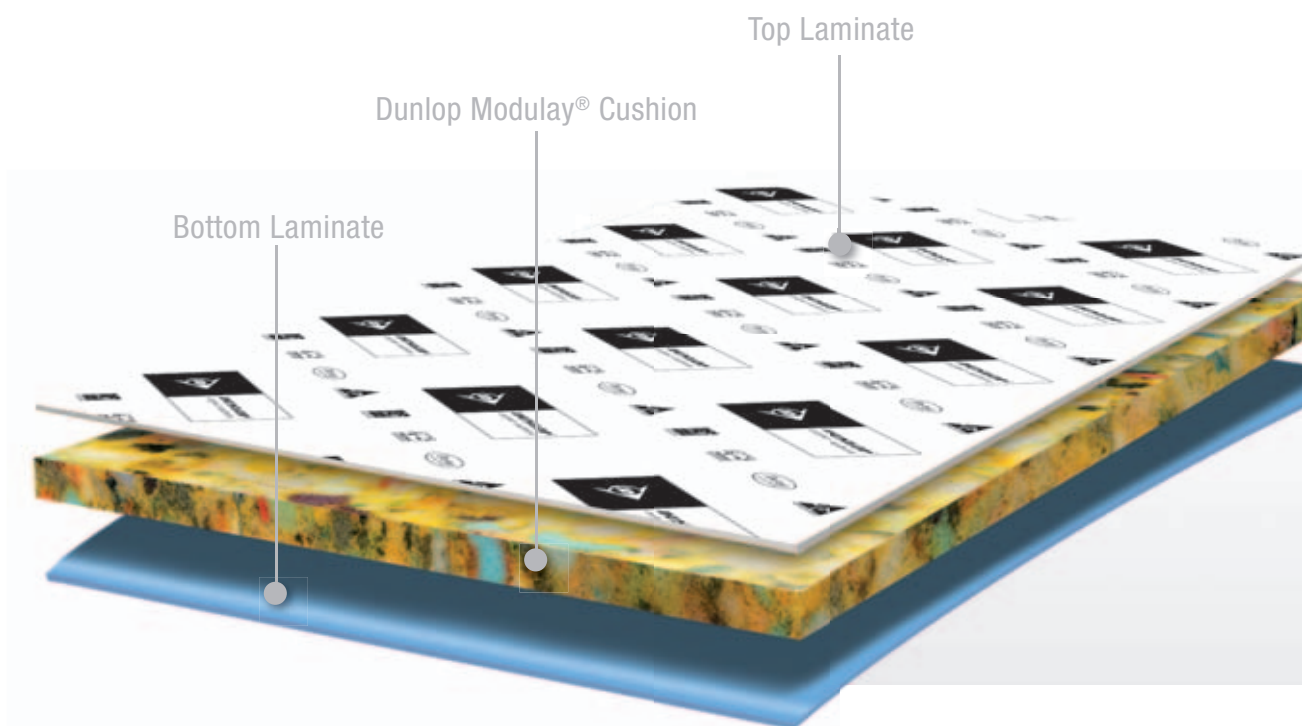
Carpet tiles have always been excellent, versatile performers in heavy-traffic areas but they tend to be a bit firm to walk on. In addition, they have never really matched the traditional comfort levels of broadloom carpet so they've tended to be overlooked for many installations.

That is, until the development of Dunlop Modulay<sup>®</sup>.

Dunlop Modulay<sup>®</sup> is a high-performance cushion that has been specially designed by Dunlop Flooring to provide greatly enhanced comfort and support for both carpet tiles and selected textile floor coverings.

Adhesive manufactures have developed adhesives for use with Dunlop Modulay<sup>®</sup>'s top laminated surface. These ensure that once the cushion and carpet tiles are laid in position, they stay there for the life of the carpet tile. If carpet tiles need to be replaced or rotated due to wear, the special pressure-sensitive adhesive permits easy removal and re-installation of the tile.

Where a permanent bond is required, as with some textile floor coverings, it's simply a matter of cutting the cushion and moving or replacing it along with the floor covering itself.



# and textile floor coverings in heavy-traffic environments

## The unique properties of Dunlop Modulay® cushion

- Made from 100% recyclable re-bonded polyurethane foam.
- Highly resilient, helping carpet tiles to retain its comfort, shape and appearance for longer.
- Delivers proven impact absorbing performance.
- Provides excellent sound and thermal insulation.
- Exceeds the minimum AS 4288 for breaking force, ensuring sufficient tensile strength for pulling or stretching during installation.
- Has a very low moisture absorption factor, and is generally unaffected by dampness and spills.
- Incorporates Ultra-Fresh, one of the world's leading anti-microbial agents, to inhibit bacterial and fungal growth and protect against germs and allergies.
- CRI Green Label accredited, meeting the highest internationally accepted indoor air quality standards for carpet cushion.
- Australian made.
- Easy to Install and Maintain – Dunlop Modulay® quick and easy to install, particularly in odd-shaped rooms, island areas, bordering and inlay work, and partitioned offices.
- Assists Occupational Safety – Primarily Dunlop Modulay® has been designed to provide extra shock absorption to carpet tiles to enhance their comfort and support.

## Modulay®: Technical Specifications

Density	170kg/m <sup>3</sup> Nominal
Thickness	3.0mm ± 0.3
Roll Length	10.0m
Roll Width	1800mm ± 5

All statements and technical information contained herein are based on tests we believe to be reliable but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of this product and must confirm the suitability thereof by their own test. Conditions of Sale contain a limited warranty against manufacturing defects.



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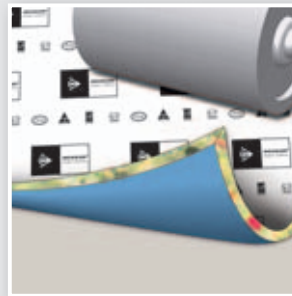
## Double Bond installation system

### Dunlop Double Bond Installation Method Incorporating Dunlop Adhesives

Apply Dunlop Prime & Peel to the subfloor with either a short nap roller or squeegee as illustrated.



The carpet cushion is lowered onto Dunlop Prime & Peel.



Apply adhesive to the surface of the Dunlop Modulay® using a 'V' notched trowel as per adhesive manufacturers instructions. Recommendations as such will vary due to tile backing types. Note: Methods of application, spread rate and type of adhesives will vary between manufactures' recommendations.

### Carpet Cushion Preparation

The cushion should be removed from its plastic packaging and fully unrolled for a period of not less than three hours, or preferably, overnight. The cushion should be laid at 90 degrees to the intended run of the carpet, or if this is not possible, the joins must be offset by a minimum of 300mm.

Any exception to the above should be approved by Dunlop Flooring.

### Ventilation

Implement effective ventilation before, during and after installation. Consider mechanical means to bring in fresh air and shorten completed installation curing times.

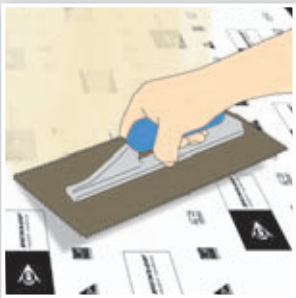
### Surface Preparation

The first critical factor in achieving the desired standard of installation and performance is that the sub-floor must be prepared in accordance with Australian/New Zealand Standard AS/NZS 2455.1:1995 Textile floor coverings – Installation practice Part 1: General, or other approved procedure if one has been specified.

All sub-floor surfaces shall be dry, smooth, plain, sound and clean, free of wax, grease and other contaminants that inhibit adequate adhesion to the sub-floor. The sub-floor must be free from hydrostatic pressure or capillary action. The adhesive should not be used in excessive cold or hot conditions i.e. below 10 degrees C or above 35 degrees C.

Uneven or damaged floors should be repaired with a cementitious levelling compound. All sub-floors should be tested for moisture content prior to surface application of adhesive.

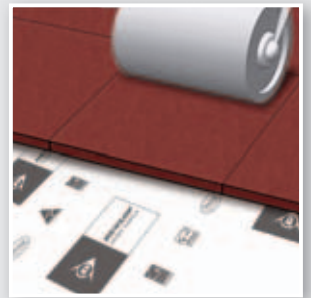
For detailed information on Dunlop Adhesives refer to the Dunlop Adhesives Brochure.



Before lowering the modular tiles, ensure the adhesive is completely tacked up to a 'touch dry' film. This is highlighted by the adhesive changing colour from a milky white to a clear film. The residual tack will remain indefinitely providing the adhesive remains free from dust and dirt.



After a sufficient time has elapsed roll the completed installation using a roller of not less than 25-35kgs. Finish should be carried out in accordance with AS/NZS 2455.2:1996. Clause 10, and the manufacturers' instructions.



## Application of Dunlop Prime & Peel and Cushion

Apply Prime & Peel with a short nap roller and lay the cushion into the Prime & Peel whilst wet or, or ensure the adhesive is completely tacked up to a 'touch dry' film. All joints must be close fitting when positioned. A light roller/broom should be used to attain a good transfer.

*Note: Overly porous sub-floors may require a double application of Prime & Peel. An overly porous sub-floor can be defined as the top surface of concrete being very open or containing large pores. This sub-floor is highly absorbent, acting as a sponge when adhesives are applied. This absorbent behaviour can affect an acceptable cohesion between cushion and sub-floor. A simple porosity test is to apply several beads of water onto the sub-floor. If the beads of water dissipate almost immediately the sub-floor could be identified as overly porous.*

## Clean Up

Clean tools and equipment immediately with warm soapy water.

## Health Hazard and First Aid

Refer to Material Safety Data Sheets.

## Optimising Installation Performance

***Dunlop Flooring seeks always to ensure that installation outcomes are of the highest performance quality available. In line with this, Dunlop's range of carpet cushions and adhesives have undergone extensive development and evaluation to ensure their combined use optimises the integrity of the double bond installation.***

***Dunlop Flooring warrants that the partnership of its carpet cushions and adhesives, and their application according to the instructions as prescribed, will enable the installer to achieve the highest quality result in their double bond installation. In support of this, and the adoption of single source purchasing, Dunlop Flooring will readily provide consultation and technical advice as appropriate.***

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# Dunlop Flooring: Sticking with an environmentally responsible

Dunlop Flooring has long pursued a commitment to environmental sustainability, as well as offering products that improve the health and quality of our work and living spaces. As a leader in environmentally responsible manufacturing and product design, Dunlop is meeting the demands of industry and end-users alike for products that promote a healthier environment – both indoor and out.

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## Dunlop carpet cushion - recycled and recyclable

Manufactured from 90% post-consumer and post-industrial polyurethane foam off-cuts, Dunlop carpet cushion is itself 100% recyclable, in that it can be reclaimed and re-manufactured into new product.

As well as recycling 98% of its own manufacturing waste, Dunlop is Australia's first manufacturer to introduce a carpet cushion recovery programme, enabling it to retrieve used product to source as raw material.



# approach

## CRI Green Label accredited for indoor air quality

Dunlop's range of carpet cushion is the first in Australia to be CRI Green Label accredited by the Carpet and Rug Institute in the USA.

The CRI Green Label testing programme identifies products that promote superior indoor air quality and requires that carpet cushion meet strict criteria on the emission of volatile organic compounds (VOCs).

Importantly, it is the benchmark set by the Green Building Council Australia to meet its Green Star rating for building interiors.



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## Ultra-Fresh - an important step towards a healthier interior environment

Scientific evidence has established that interior environments can be a major contributor to health problems. Dunlop has addressed this important issue by incorporating the proven antimicrobial, Ultra-Fresh, into its carpet cushion to provide effective control of bacteria, mould, mildew and fungi.

Independent research confirms that by inhibiting bacteria and mould and reducing the availability of food for dust mites, Dunlop carpet cushion with Ultra-Fresh helps to control dust mites and may assist in the prevention of asthma and other allergies triggered by them.

Ultra-Fresh also provides lasting hygienic freshness, effective odour protection and extends product life by resisting deterioration.



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