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**PRODUCT NAME:** Dunlop Double Bond 5mm Carpet Cushion / Underlay

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**PRODUCT LINE:** Dunlop Maxbond Commercial Carpet Cushion

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**PRODUCT DESCRIPTION AND ITS INTENDED USE:**

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**Dunlop Double Bond 5mm Carpet Cushion** is manufactured using post-industrial recycled polyurethane foam, which is granulated and bonded together with a polyurethane binder, peeled to thickness, textron paper applied to the top of the cushion and laminating film underneath then packaged. It is bonded to the substrate & carpet, providing improved comfort underfoot along with improving the acoustic & thermal properties of the flooring and the performance of the carpet.

**KEY TECHNICAL SPECIFICATION:**

Thickness: 5mm +/- 5%
Width: 1800mm +/- 1%
Roll Length: 15 mtrs +/- 1%
Density: Maxbond™ 140 kg / m3 +/- 5%
Laminate: Top - Textron paper : Bottom - Premium charcoal film
Tog Insulation Rating: 1.5
Delta Lw Impact Sound Reduction: 22db
Antimicrobial Protection: Microfresh™
AS4288:2003 - Heavy Commercial - StandardsMark Certified - Lic. SMK47003
Link to Certification <a href="#">AS4288 Certificate</a>



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**PRODUCT IDENTIFIER:** ULDB5140PF - Double Bond 5 Textron Paper/Film

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**PLACE OF MANUFACTURE:** Aotearoa, New Zealand

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**LEGAL AND TRADING NAME OF THE MANUFACTURER:**

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Dunlop Flooring Limited Partnership - 50209815

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**ADDRESS:** 680 Rosebank Road, Avondale, Auckland 1026

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**WEBSITE:** [www.dunlopflooring.co.nz](http://www.dunlopflooring.co.nz)

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**EMAIL ADDRESS:** [sales@dunlopflooring.co.nz](mailto:sales@dunlopflooring.co.nz)

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**PHONE NUMBER:** +64-9-905-2680

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**NZBN:** 9429052114694

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### Relevant Building Code Clauses:

**B2 Durability:** Performance clauses B2.3.2(a)

**C3 Fire affecting areas beyond the fire source:** Performance clause C3.4(b)

**G6 Airborne and Impact Sound:** Performance clauses G6.3.1 and G6.3.2

### Statement on how the Building Product is expected to contribute to Compliance:

**B2.3.2(a): Durability** – Dunlop Maxbond Commercial Carpet Cushion is a flooring component adhered underneath the carpet. New Dunlop Maxbond Commercial Carpet Cushion is guaranteed to perform for the life of the new carpet.



*Link to Guarantee Document:* [Dunlop-Guarantee](#)

**C3.4(b): Fire Performance** – There are no specific requirements for detached dwellings, within household units in multi-unit dwellings, or outbuildings and ancillary buildings.

For all other areas, minimum critical radiant flux fire testing results are required for both the carpet and the carpet underlay to be used and tested to ISO 9239-1:2010. Dunlop Flooring or the Carpet Manufacturer/Distributor should be contacted to confirm if test results are available for the relevant combination and if they meet the requirements for the proposed installation area.

**G6.3.1 and G6.3.2: Airborne and Impact Sound** – This is only a requirement for building elements which are common between occupancies to limit noise transfer from other occupancies or common spaces. In these situations, the floor itself should be constructed to ensure that the Sound Transmission Class and Impact Insulation Class requirements are less than 55. The underlay and carpet will contribute positively to the result. However, determining that result, requires technical support from an architect familiar with prior results of the same construction or actual in-house testing.

Dunlop Maxbond Commercial Carpet Cushion contributes to positive improvement in impact sound results as outlined in the Key Technical Specification. These results were tested by Acoustics Testing Service and demonstrate the difference the underlay makes to a bare floor system. Dunlop Flooring can be contacted to provide more information where necessary.

### Limitations on the use of the Building Product:

Dunlop Maxbond Commercial Carpet Cushion is intended to be adhered directly onto a bare floor, and then have the carpet adhered to the top of the underlay.

Per industry standard AS/NZS 2455.1:2007, new carpet should always be installed on new underlay.

**It should only be installed where the floor surface is:**

- **Clean** – from dust and grit, and any surface contaminants have been safely removed.
- **Sound** – floor will not crumble, move, crack or break up.
- **Flat** – floor is flat or level.
- **Smooth** – no lumps or bumps or sharp lipping.
- **Dry** – no visible signs of any moisture. New concrete floors should be tested to ensure the level is 75% RH or less when measured with a hygrometer.

**Dunlop Maxbond Commercial Carpet Cushion is:**

- Not suitable to be installed in any space containing sanitary fixtures / appliances where the floor is likely to be splashed or contaminated during its intended use.
- Not waterproof – in the event of contamination by a major spill / flooding, then it is recommended to be replaced as the warranty no longer applies in that event.

- not suitable to be laid on top or underneath other underlays.
- not suitable to be used without carpet.
- able to be used for under-floor heating with direct heat at less than 40 degrees Celsius. However, it is recommended that the carpet and flooring tog rating is less than 2.5 to get the best results out of under-floor heating. Higher tog ratings will reduce the effectiveness of the under-floor heating system.

Consideration needs to be made where the carpet supplier has special installation instructions due to the type of carpet.

### Design Requirements that would support the use of the Building Product:

**Insulation:** Dunlop Maxbond Commercial Carpet Cushion contributes positively to the thermal insulation of the floor, the results are listed in the Key Technical Specification section.

**Green Label Plus Certification:** Dunlop Maxbond Commercial Carpet Cushion has been independently certified to perform to the Green Label Plus Indoor Air Quality Testing programme.

[Green Label Plus Certificate](#)

**Antimicrobial Protection** – Dunlop Double Bond 5mm Carpet Cushion is protected with Microfresh™ antimicrobial protection against dust mites, mould and harmful bacteria.

*Link to Microfresh Brochure:* [Microfresh Brochure](#)

More information can be found at [www.dunlopflooring.co.nz](http://www.dunlopflooring.co.nz)



### Installation Requirements:

It is recommended that the flooring is installed by a professional. They should be trained and experienced at installing carpet and follow Dunlop installation guide provided with the roll in conjunction with the Floor NZ Best practice guidelines and/or AS/NZS2455.1:2007 installation requirements. The carpet supplier may have special installation requirements for speciality carpets that should be followed.

**Dunlop Maxbond Commercial Installation Instructions:** [DB Commercial Guide](#)

**Floor NZ Best practice guidelines:** [Technical Flooring Guidelines | FloorNZ](#)

**Textile flooring coverings - installation standard:** AS/NZS 2455.1:2007

[AS/NZS 2455.1:2007: Standards New Zealand](#)

**Soft Underlay Standard:** AS 4288 - 2003

[AS 4288-2003 Soft underlays for textile floor coverings \(saiglobal.com\)](#)

### Maintenance Requirements:

It is recommended that the carpet maintenance guidelines are followed as per the carpet supplier.

If the Dunlop Maxbond Commercial Carpet Cushion becomes damp or wet from minor spills, it is recommended that a flooring professional cleans and dries the product, or if unable to replace the section, to ensure there are no subsequent issues arising due to the contamination.

**Is the Building Product subject to warning or ban under section 26:**

No