

## **Class 1 BUILDING PRODUCT INFORMATION SHEET**

### **Declaration:**

New Zealand Comfort Group Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the BPIR ( Building Product Information Requirements) 2022.

### **Description**

Sleepyhead Carpet Underlay is conventionally laid on wooden or concrete floors under domestic or commercial carpets to provide comfort underfoot and thermal and acoustic insulation. This product is primarily used in living areas, hallways, stairwells, and bedrooms. Carpet underlay is designed to be partnered with any domestic and some commercial carpets, from nylon, polyester, wool, etc. to provide support to the carpet and improve long-term performance, as well as provide thermal and acoustic insulation.

### **How it's made**

Carpet underlay is composed of recycled ground-up polyurethane foam, which is bonded together with a binding agent and dosed with an antimicrobial. This is then covered by a mesh layer to provide tensile strength to the product, and then covered with a moisture-resistant laminate barrier.

Sleepyhead Carpet Underlay is available in thicknesses varying from 7mm to 12mm and densities from 75kg to 130 kg. Rolls are 10m long and 1.83 metres wide.

### **Sustainability**

This product has a great sustainability story, recycling foam from our bedding businesses and commercial customers, as well uplifted and offcuts from underlay installations, keeping it out of landfill in NZ.

### **Products**

<b>Name:</b>	Sleepyhead Carpet Underlays
<b>Product Codes:</b>	30000002,30000004,30000006,30000007,30000009,30000011, 30013239, 30009339
<b>Technical Specs:</b>	<p>Thickness: 8mm-12mm            Width: 1.83m            Roll length: 10 metres            Density: 90-130kg of foam per cubic metre            Roll weight: 15.8kg-29kg            Tested and certified to standard <b>AS4288:2003</b> by NZ Wool Authority</p>

## Scope of use

Sleepyhead Carpet Underlay is designed to be laid wooden or concrete floors. This can apply to many applications where carpet is required: residential, commercial, apartments, education, healthcare, aged care. This product has been designed to be compatible with standard carpet widths and smoothedge.

## Building code compliance

### Relevant building code clauses

B2 Durability : B2.3.2(a)

C3 Fire affecting areas beyond the fire source C3.4(b)

G6 Airborne and Impact Sound G6 .1, G6 3.2

### Evidence of compliance

#### **B.2.3.2(a): Durability**

All Sleepyhead Carpet Underlays are tested and certified to AS4288:2003, the Australia and New Zealand standard for soft underlays. The overriding criteria of this certification is the durability and performance of the underlay.

Sleepyhead carpet underlays are guaranteed to perform for the life of the carpet.

View the Sleepyhead Flooring Warranty [here](#).

#### **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 critical radiant flux fire testing results are required for both the carpet and carpet underlay to be used and tested to ISO 9239-1:2010

View the critical radiant flux report [here](#).

### **G6.3.1 and G6.3.2 Airborne and Impact Sound**

Under this clause building elements that are common between occupancies are required to be constructed to prevent undue noise transfer from other occupancies or common spaces in household units. It requires a Sound Transmission Class and Impact Insulation Class for floors of no less than 55. View the Marshal Day report [here](#).

Sleepyhead carpet underlays installed in conjunction with carpet will make a positive improvement to impact sound results. All Sleepyhead underlays are tested acoustically to NRC (Noise Reduction Co-efficient) a measure of sound energy absorbed upon striking a particular surface. Testing was undertaken by Sydney University Australia. **NRC values calculated to ASTM C 423 from sound absorption testing conducted in accordance with ISO 10534.**

## **Conditions of use**

Sleepyhead carpet underlays are designed to be conventionally laid directly on wooden or concrete floors with the carpet laid over the underlay.

- Not suitable for use in wet areas as the product is not waterproof, only water resistant
- In the event of major spills underlay must be thoroughly dried out or replaced
- Floor surface must be level and clean
- Concrete floors must show no visible signs of moisture
- Recommend new underlay be installed under all new carpets
- Compatible with underfloor heating, however, will reduce the effectiveness of the system due to its insulation properties

## **Installation requirements**

We recommend Sleepyhead carpet underlays be installed by a professional carpet installer at all times. They should follow the Floor NZ best practice guidelines and install carpet in accordance with AS245:1:2019 or NZS2455:1:2007.

[\*\*Floor NZ Best Practice Guidelines.\*\*](#)

Soft Underlay Standard AS4288:2003

**Is the Building Product subject to warning or ban under section 26: No**

## Contacts

<b>Manufacture location</b>	New Zealand
Legal and trading name of manufacturer	New Zealand Comfort Group Ltd
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