

 **DURA**



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**DURABLE, ACOUSTICAL, AND COMFORTABLE UNDERLAYMENT**

**NO.2023-01**

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**DURACOUSTIC**

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# WE'VE BEEN REVOLUTIONIZING FLOOR ACOUSTICS SINCE 1957

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## DURACOUSTIC

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### RESIDENTIAL & COMMERCIAL USE

Dura has a clear goal: produce the highest performing underlay and carpet cushion products while contributing to the preservation of our environment for generations to come. Through our unique process of giving a second life to used rubber, we've achieved our lofty goal by creating products that absorb sound like no other and lasts for years.

Our Duracoustic underlayment is the perfect solution for creating versatile floor systems that meet stringent sound ratings required for luxurious hotels, upscale condos, commercial buildings, and private homes. Its thickness provides high acoustical ratings and prevents noise flanking between floors and rooms. Duracoustic is engineered to maintain its form throughout its lifespan, extending the life of your floor, and provides underfoot comfort under heavy foot traffic. Ideal for satisfying rigorous sound rating requirements.

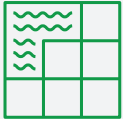
# HIGH-PERFORMANCE UNDERLAYMENT



ENGINEERED  
HARDWOOD  
AND LAMINATE



CERAMIC



VINYL



CARPET



✓ **BEST CHOICE FOR VERSATILE FLOOR SYSTEMS**

✓ **MADE FROM RECYCLED RUBBER**

✓ **IDEAL FOR MEETING STRINGENT SOUND RATING REQUIREMENTS**

✓ **RETAINS ITS SOUNDPROOFING QUALITIES**

✓ **LASTS A LIFETIME**

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# WHAT MAKES DURACOUSTIC THE NEW STANDARD

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**GREATLY REDUCES  
IMPACT SOUND**



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**RESISTS MOLD, MILDEW,  
AND FUNGUS GROWTH**



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**CONTRIBUTES TO  
LEED CREDITS**



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**GREEN LABEL  
PLUS+ CERTIFIED**



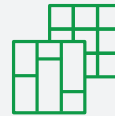
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**MADE FROM  
RECYCLED RUBBER**



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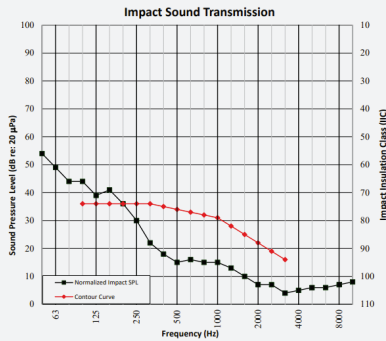
**VERSATILE UNDERLAYMENT  
& CAN BE PAIRED WITH  
VARIOUS FLOORS**



# ACOUSTICAL TESTING

**PERFORMED BY:**  
**INTERTEK**

## ASTM E90 + ASTM E492



Carpet IIC\*92  
Super Dura  
Cement Board (2 x 1/2")  
Duracoustic 8 mm (5/16")

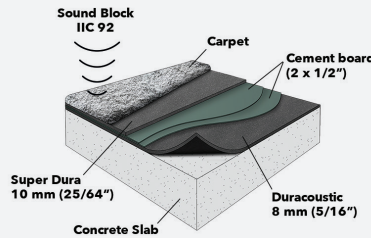
Carpet IIC\*76  
Cement Board (2 x 1/2")  
Duracoustic 8 mm (5/16")

Cement Board (2 x 1/2") IIC\*68  
Duracoustic 8 mm (5/16")

6" Concrete Slab IIC\*40  
Wire Hung Ceiling Grid

## Approved and tested by experts

Duracoustic 8 mm (5/16") was tested under a 12 mm carpet and over a 152 mm concrete slab, obtaining an IIC 92. IIC is a measure of impact sound transmission from one floor to another. The higher the IIC rating, the better quality of sound absorption.



## Duracoustic Specifications

The sound rated floor material shall be an open cellular rubber shall be an open cellular rubber reinforced with solid rubber particles bonded to fiberglass backing, 8 mm (5/16") thick, approximately 87 oz/yd<sup>2</sup> in weight and 22 lb/ft<sup>3</sup> in density. The product shall have an IIC rating of 92 (tested as per ASTM E90 + ASTM E492) based on the construction detailed in this brochure. The acoustical material shall be Duracoustic 8 mm (5/16") manufactured by: Dura Undercushions Ltd.

We invite you to contact us for any inquiries via email: [info@duraundercushions.com](mailto:info@duraundercushions.com) or via phone: **1-800-295-4126**

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# IMPERIAL MATERIAL SPECIFICATIONS

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<b>Thickness</b>	0.31 in
<b>“R” Value</b>	0.52
<b>Mass</b>	87 oz / sq.yd
<b>Density</b>	22 lb / cu. ft
<b>Tensile</b>	24.4 lb / in
<b>Content</b>	100 % Virgin SBR & Rubber
<b>Roll Size</b>	12 sq. yd
<b>Roll Weight</b>	65 lb
<b>Roll Width</b>	54 in.
<b>Roll Length</b>	24 ft.
<b>Roll Diameter</b>	11 in.
<b>Coverage</b>	108 sq. ft
<b>Acoustic Value</b>	IIC 92 / ASTM E492 and E90 - Impact Insulating Class (With a carpet)
<b>Green Quality</b>	CRI Green Label Plus approved
<b>Anti-Microbial</b>	Naturally resists mold, mildew and fungus growth
<b>Radiant Heated Floors</b>	Suitable for radiant heated floor
<b>LEED</b>	Contributes up to 6 credits
<b>Flammability</b>	PASS Pill Test / ASTM D2859 / Class 1 / ASTM E648 - Radiant Panel Test / As an assembly with a Class 1 commercial carpet
<b>Warranty</b>	Lifetime*

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# METRIC MATERIAL SPECIFICATIONS

<b>Thickness</b>	7.94 mm
<b>"R" Value</b>	0.52
<b>Mass</b>	2.95 kg / sq. m
<b>Density</b>	352.4 kg / cu. m
<b>Tensile</b>	214 N / 5 cm
<b>Content</b>	100 % Virgin SBR & Rubber
<b>Roll Size</b>	10.03 sq. m
<b>Roll Weight</b>	29.48 kg
<b>Roll Width</b>	1.37 m
<b>Roll Length</b>	7.32 m
<b>Roll Diameter</b>	27.94 cm
<b>Coverage</b>	10.03 sq. m
<b>Acoustic Value</b>	IIC 92 / ASTM E492 and E90 - Impact Insulating Class (With a carpet)
<b>Green Quality</b>	CRI Green Label Plus approved
<b>Anti-Microbial</b>	Naturally resists mold, mildew and fungus growth
<b>Radiant Heated Floors</b>	Suitable for radiant heated floor
<b>LEED</b>	Contributes up to 6 credits
<b>Flammability</b>	PASS Pill Test / ASTM D2859 / Class 1 / ASTM E 648 - Radiant Panel Test / As an assembly with a Class 1 commercial carpet
<b>Warranty</b>	Lifetime*

# QUICK AND EASY TO INSTALL

## INSTALLATION PROCEDURE

①

The subfloor must be structurally sound, flat, clean, and dry.

②

Install DURACOUSTIC with black side down. Seams must be placed tightly together and preferably taped with duct tape.

③

Install polyethylene foam or fiberglass board along the wall perimeter of the entire subfloor and around any protrusions at the perimeter. The isolation of the floating floor prevents flanking between floors and walls. Tape or tack-glue the isolation.

④

A

For gypsum concrete:

When a gypsum concrete overlay is poured, please refer to supplier's instructions.

B

For cement boards:

Install two layers of 1/2" cement board perpendicularly with a 1/4" gap, and an 8" minimum overlap. Use 2" fiberglass tape embedded in ceramic.

C

For plywood:

The two layers must be glued together using a 1/4" square trowel for full coverage. Leave 1/4" of space all around the perimeter of the floor and fill the gap with acoustical sealant. Always follow the flooring manufacturer's specifications.

### Caution:

Using poor quality adhesive, incorrect type, or improper application method can cause installation issues. Please contact Dura Undercushions for installation assistance.





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# WARRANTY

Dura underlayments are warranted to retain their essential firmness, resilience, and porosity through the useful life of the floor covering under which they are installed. This warranty applies to all types of indoor installations. In the event of a confirmed product failure due to defective manufacture the company will replace, without charge, the defective portion of the underlayment with new equivalent product.

This warranty is valid only when the product is used in accordance with our instructions and for its intended purpose and does not cover defects or failures due to inappropriate use or abuse.



# DISCOVER MORE

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## DURABLE ACOUSTICAL COMFORT



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### For Engineered Hardwood and Laminated Flooring

**YOU NEED:**  
DURA-SON  
DURA-SON MB

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### MULTI-RESILIENT LAYER FLOORING

**YOU NEED:**  
DURACOUSTIC



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### For Carpets

**YOU NEED:**  
DURACUSHION  
SUPERDURA  
PROTECTOR  
DURALUX

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### MULTI-RESILIENT LAYER FLOORING

**YOU NEED:**  
DURACOUSTIC

The durability of our products are the solution to all your acoustical needs. They will outlast and maintain their acoustical and comfort qualities throughout their lifetime.



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### For Ceramics

**YOU NEED:**  
**DURAQUIET**

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### MULTI-RESILIENT LAYER FLOORING

**YOU NEED:**  
**DURACOUSTIC**



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### For Vinyl

**YOU NEED:**  
**DURAQUIET**

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### MULTI-RESILIENT LAYER FLOORING

**YOU NEED:**  
**DURACOUSTIC**



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**8525 CHEMIN DELMEADE, MONTREAL  
QC H4T 1M1**

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**1-800-295-4126**

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**INFO@DURAUNDERCUSHIONS.COM**

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**[WWW.DURACUSHION.COM](http://WWW.DURACUSHION.COM)**

