



DURABLE ACOUSTICAL COMFORT



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DURABLE, ACOUSTICAL, AND COMFORTABLE UNDERLAYMENT

NO.2025-01

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**DURA-SON MB™**

UP TO IIC 74

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# IMPERIAL MATERIAL SPECIFICATIONS

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<b>Thickness</b>	0.137 in
<b>“R” Value</b>	0.32
<b>Mass</b>	40 oz / sq. yd
<b>Density</b>	22 lb / cu. ft
<b>Tensile</b>	24 lb / in
<b>Content</b>	Minimum 95% recycled rubber
<b>Roll Size</b>	24 sq. yd
<b>Roll Weight</b>	60 lb
<b>Roll Width</b>	54 in.
<b>Roll Length</b>	48 ft.
<b>Roll Diameter</b>	10 in.
<b>Coverage</b>	216 sq. ft
<b>Acoustic Value</b>	IIC 74 / ASTM E90 and E492 - Impact Sound Transmission
<b>Moisture Protection</b>	3 mil Polyethylene
<b>Water Vapor Transmission Rate</b>	0.0009g / hr. / sq.ft. Or 0.010g / hr. / sq.m. / ASTM E96
<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>	Compatible
<b>LEED</b>	Contributes up to 6 credits
<b>Flammability</b>	PASS Pill Test / ASTM D2859
<b>Warranty</b>	Lifetime*

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# METRIC MATERIAL SPECIFICATIONS

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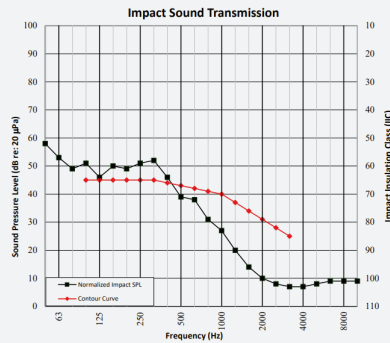
<b>Thickness</b>	3.5 mm
<b>“R” Value</b>	0.32
<b>Mass</b>	1.36 kg / sq. m
<b>Density</b>	352.41 kg / cu. m
<b>Tensile</b>	214 N / 5 cm
<b>Content</b>	Minimum 95% recycled rubber
<b>Roll Size</b>	20.01 sq. m
<b>Roll Weight</b>	27.22 kg
<b>Roll Width</b>	1.37 m
<b>Roll Length</b>	14.63 m
<b>Roll Diameter</b>	25.4 cm
<b>Coverage</b>	20.01 sq. m
<b>Acoustic Value</b>	IIC 74 / ASTM E90 and E492 - Impact Sound Transmission
<b>Moisture Protection</b>	3 mil Polyethylene
<b>Water Vapor Transmission Rate</b>	0.0009g / hr. / sq.ft. Or 0.010g / hr. / sq.m. / ASTM E96
<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>	Compatible
<b>LEED</b>	Contributes up to 6 credits
<b>Flammability</b>	PASS Pill Test / ASTM D2859
<b>Warranty</b>	Lifetime*

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# ACOUSTICAL TESTING

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

## ASTM E90 + ASTM E492



Laminate  
Dura-Son MB 3.5 mm (1/8")  
Plywood (2 x 3/8")  
Super Dura 10 mm (25/64")  
6" Concrete Slab  
Suspended Ceiling  
**IIC\*74**

Vinyl  
Dura-Son MB 3.5 mm (1/8")  
Cement board (2 x 1/2")  
Duracoustic 8 mm (5/16")  
**IIC\*72**

14 mm Engineered Hardwood  
Dura-Son MB 3.5 mm (1/8")  
**IIC\*69**

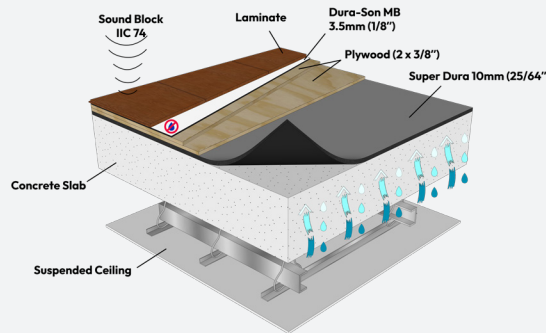
Reinforced Concrete Slab  
200 mm (8") Bare Slab  
**IIC\*36**

## Approved and tested by experts

Dura-Son MB 3.5 mm was tested under a laminate floor over a 6" concrete slab. Dura-Son MB 3.5 mm (1/8") obtained an IIC 74. IIC is a measure of impact sound transmission from one floor to another. The standard IIC recommendation is 55 with a hardwood floor. The higher the IIC rating, the better quality of sound absorption.

## Dura-Son MB Specifications

The sound rated floor material shall be an open cellular rubber reinforced with solid rubber particles bonded to fiberglass backing, 3.5 mm (1/8") thick, approximately 40 oz/yd<sup>2</sup> in weight, and 22 lb/ft<sup>3</sup> in density. The product improves moisture protection with a 3 mil. barrier and a water vapor transmission rate of .0009 g/hour/square foot or 0.010 g/hour/m<sup>2</sup>. (ASTM E96). The product shall have an IIC rating of 74 (tested as per ASTM E90 + ASTM E492) based on the construction detailed in this brochure. The acoustical material shall be DURA-SON MB 3.5 mm (1/8") 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**

# 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**



DURABLE ACOUSTICAL COMFORT

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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)**

