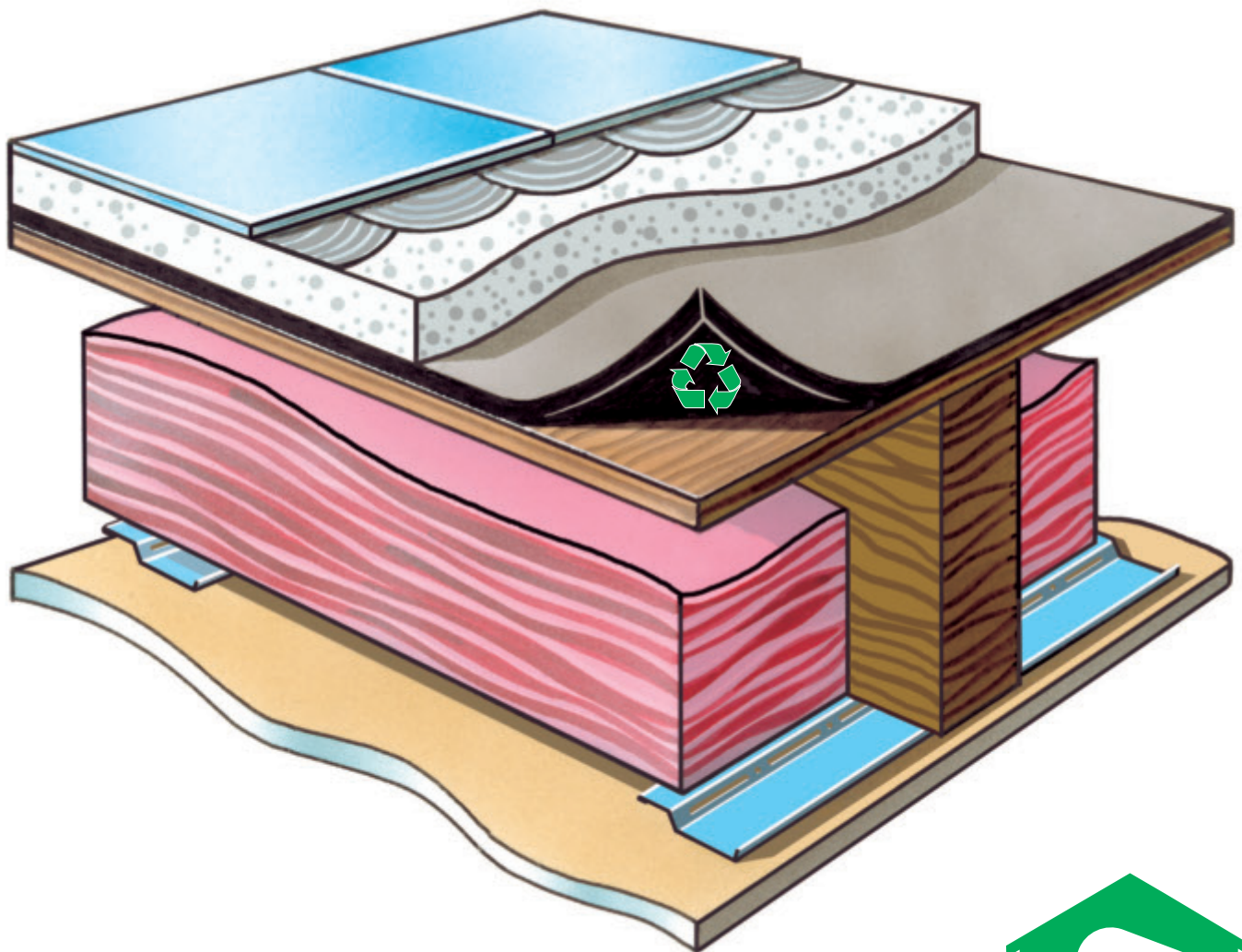


DURACOUSTIC[®]

Sound control underlayment

STC-70

IIC-57



CONTRIBUTES TO LEED



DURACOUSTIC®

Sound control underlayment

DURACOUSTIC® sound control underlayment, manufactured by Dura Undercushions Ltd is a simple but very effective solution to creating floor systems which meet stringent sound ratings in multiple-story dwellings (condominiums, hotels, apartments), private homes and business applications.

Testing carried out by National Research Council of Canada has demonstrated outstanding sound attenuation with a variety of construction assemblies and floor coverings, including ceramic tile, parquet, laminate and hardwood floors.

DURACOUSTIC® underlayment is a 8mm (5/16") reinforced rubber (recycled) matting with an open cell structure which enhances its sound deadening properties making possible the installation of cost effective sound-rated floors.

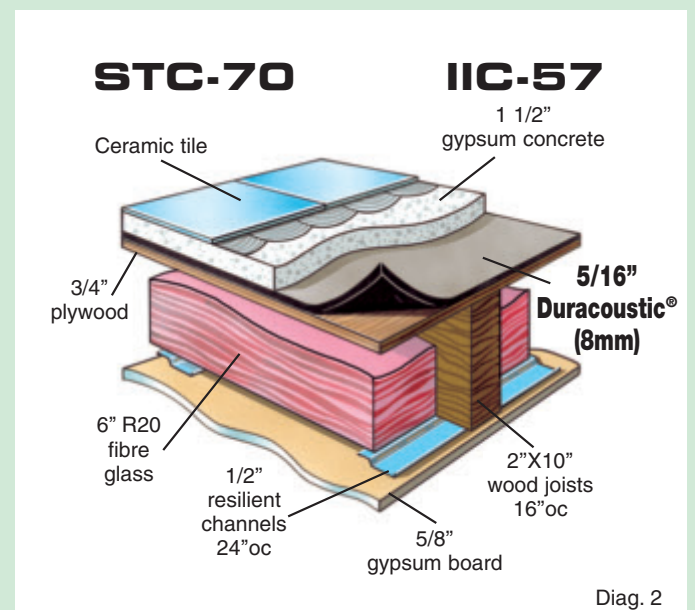
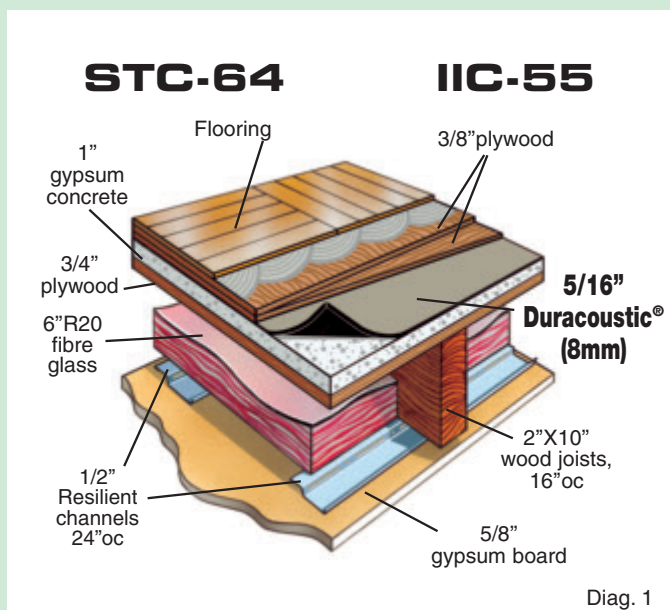
The **DURACOUSTIC®** underlayment system acts not only as a sound deadener but also as a decoupler by breaking the sound transmission path through the floor-ceiling assembly and prevents noise flanking room to room.

Advantages of using **DURACOUSTIC®**

- Conceals minor subfloor irregularities
- Greatly reduces impact sound
- Always lays flat and will not slip during installation
- Works extremely well over radiant heated floors
- Resists mold, mildew and fungus growth
- Enhances underfoot comfort
- Does not collapse

ENVIRONMENTALLY FRIENDLY:

- Made with recycled tire rubber (min 85%) bonded with synthetic latex.
- Passes indoor air quality test for low Volatile Organic Compounds (VOC) emission.
- 100% recyclable.
- Contributes to LEED credits.



Specification

The sound rated floor material shall be an open cellular rubber reinforced with solid rubber particles bonded to fibreglass/cellulose backing, having a thickness of 8mm (5/16") and weighing approximately 88 ozs/sq.yd and a density of 22 lbs per cu.ft. and a minimum tensile strength of 45 lbs. It shall have a minimum compression set recovery of 80% (ASTM D 1055) without loss of resilience. The product shall have a minimum STC rating of † _____ and IIC rating of † _____ (tested as per ASTM E-90 and E-492) based on the constructions detailed in this brochure.

It shall be **DURACOUSTIC®** manufactured by Dura Undercushions Ltd, 8525 Delmeade Road, Montreal, Quebec, H4T 1M1, Canada.
Tel.: 1-800-295-4126 Fax: 514-342-7940

† refer to ratings on diagrams 1,2 & 3

Technical data

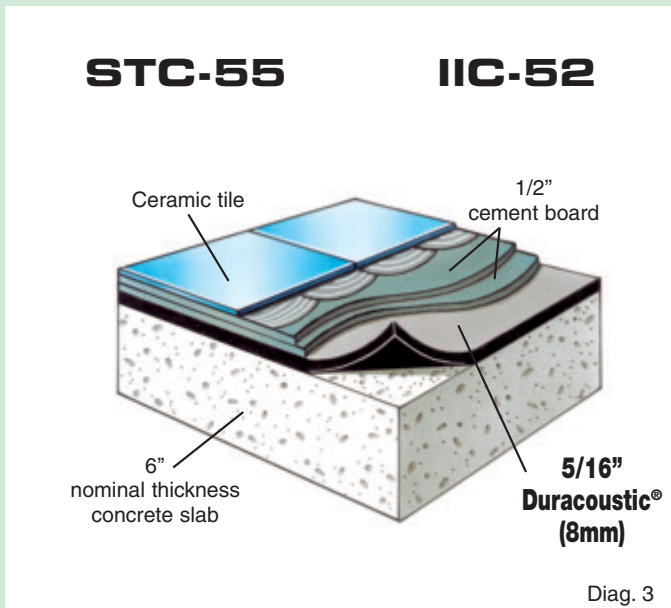
Material	SBR rubber
Width	54"
Length	24 ft.
Area	108 SQ. FT.
Thickness	8mm (5/16")
Roll Diameter	11"
Roll Weight	65 lbs

Deflection

Pressure (PSF)	Average Deflection (Inches)
100	0.027
200	0.046
500	0.090
1000	0.131
2000	0.174
4000	0.221

Flammability

FF1-70 (Pill Test)	Pass
ASTM E-648 Radiant Panel	Class 1*
*Passes the radiant panel Class 1 as an assembly with a Class 1 rated surface material.	





Installation

1. SUB-FLOOR

Make sure the subfloor is structurally sound, flat and dry.

2. **DURACOUSTIC®**

Install black side down, fibreglass up. Adjoining edges should be butted and taped with duct tape.

3. PERIMETER

Install polyethelene foam or fibreglass board at the perimeter of the entire subfloor and around any protrusions through the installation. The isolation of the floating floor prevents flanking between floor and walls. Tape or tack-glue the isolation material.

4. GYPSUM CONCRETE

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

5. CEMENT BOARD (2 layers)

The two layers of 1/2" cement board must be installed 90° to one another with a 1/4" gap between units and an 8" minimum overlap. Each gap should be joined with a 2" fibreglass tape embedded into ceramic mortar. The two layers must be glued together using 1/4" square trowel (full coverage).

Leave 1/4" space all around the perimeter of the floor and fill the gap with acoustical mastic.

6. PLYWOOD

The two layers of plywood must be 90° to one another, joints gapped and offset, top sheet glued (full coverage, non water based) to bottom sheet. The two layers fastened with screws in corners and center with no penetration into **DURACOUSTIC®** (prevents flanking). The plywood should be 1/2" for hardwood floors and 3/8" for ceramic, vinyl, carpet and pad.

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.

"Useful life" is determined in accordance with "US-CRI Specifiers Handbook" or its Canadian equivalent.

DURA

UNDERCUSHIONS LTD.

HEAD OFFICE

Dura Undercushions Ltd.

8525 Delmeade Road

Montreal (Quebec) H4T 1M1

Tel.: (514) 737-6561/(800) 295-4126

Fax: (514) 342-7940

E-MAIL: info@dura-undercushions.com

Web Site: www.duracoustic.com



MADE IN CANADA

October 2012/0M

MADE AND PRINTED IN CANADA - 380-DR-AN-LF-200M

La brochure est aussi disponible en français