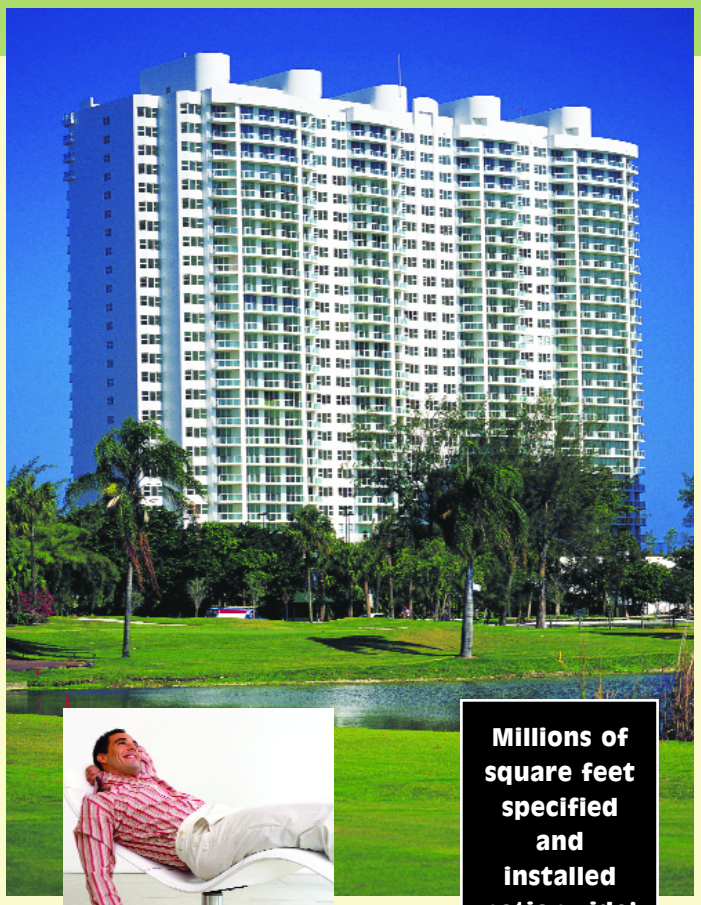
Solve the entire soundproofing problem.
Acoustik™ reduces both impact and airborne noise.

09 60 00.11/ACN
BuyLine 8325



Hampton

Millions of square feet specified and installed nationwide!

Your tranquility is our priority.

Townsend Place

Peninsula

Soundproof your floors with an innovative product made from 100% recycled rubber

Acoustik™

Made of 100% recycled rubber

acoustic subflooring

25 Year LIMITED Warranty

A *"GREEN"* PRODUCT
Made from 100% recycled rubber
BUILDING A *"GREENER"* TOMORROW

LEED
May qualify for LEED credits.

Acoustical Surfaces, Inc. We Identify and S.T.O.P. Your Noise Problems
Sound Transmission Obscuring Products
Soundproofing, Acoustics, Noise & Vibration Control Specialists ™

AVAILABLE FROM

Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS
123 Columbia Court North – Suite 201 – Chaska, MN 55318
952-448-5300 Fax: 952-448-2613 (888) 223-5784
sales@acousticalsurfaces.com www.acousticalsurfaces.com

Acoustik™ is a high performance *"GREEN"* soundproofing subflooring that reduces impact and airborne noise.

- **COMFORTABLE AND RESILIENT**
- **PROVIDES HIGH THERMAL INSULATION**
- **DAMPENS VIBRATIONS ■ PASSES ROBINSON TEST**
- **FULLY WATERPROOF, 100% VAPOR BARRIER**
- **COST EFFECTIVE ■ EASY TO INSTALL AND WORK WITH**

- Acoustik™ subflooring is made from 100% recycled tires. Ideal under wood, ceramic or marble floors. It provides better resistance to impact noise and enhances the floors acoustic performance.
- Acoustik™ has been tested by renowned acousticians and/or architects specializing in acoustics.
- This high-quality product is suitable for all types of structures and floor coverings.

Material: Recycled rubber.

Pattern: Flat, semi-smooth.

Applications: Effective impact noise control and soundproofing. For use as a subfloor in new and renovation construction projects. Reduces impact noise and vibrations while reducing airborne sound transmission. Great under hardwood, ceramic or carpet.

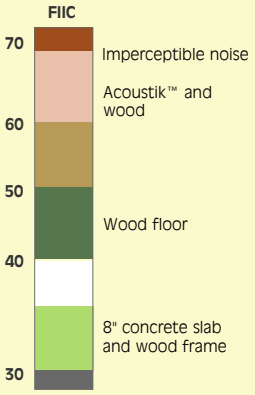
Nom. Size: Sold by square foot.

Nom. Thickness: 1/4", 3/8", 1/2".

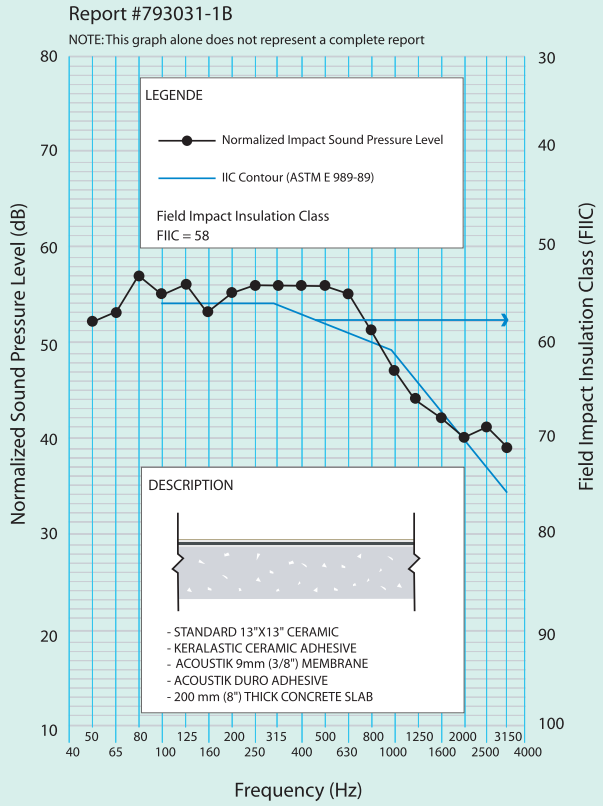
Color: Black.

Installation: Adhesive, DA5 & Poly 300, both are MAPEI adhesives.

Flammability: ASTM E-84, Flame Spread: 83 Class C. Smoked developed: 315.



Acoustik™ has been tested over the years by renowned acousticians and architects specializing in acoustics. The following graph represents actual results. Tested without suspended ceilings.



Acoustik™ subflooring made from 100% recycled tires, is ideal under wood, ceramic or marble floors. It provides better resistance to impact noise and enhances the floor's acoustic performance.

Acoustical Surfaces, Inc. We Identify and S.T.O.P Your Noise Problems — Sound transmission, Isolating, Reduce Soundproofing, Acoustics, Noise & Vibration Control Specialists ™

Buy Direct And SAVE

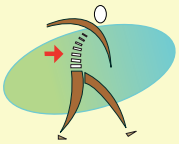
BEST PRICE Guaranteed

Call For Details!

(888) 223-5784

TECHNICAL DATA	STANDARDS	MEASURING UNITS	VALUE	RESULTS
HARDNESS	ASTM-D412	SHORE A	55/65	Excellent
PUNCTURE RESISTANCE	Factory tested Weight: 120 psi Time: 1wk.	mm	<0.3	Excellent
ELONGATION	ASTM-D412	%	160	Complies with standard
ABRASION RESISTANCE	ASTM-D3389	mg	0.41	1000 people / day
DIMENSIONAL STABILITY	Factory tested -15 C to 30 C	%	100	Excellent
FLAME PROPAGATION INDEX	ULCS-101.2 ASTM-E84	Tunnel test	83	Complies with standard
SMOKE EMISSION INDEX	ULCS-101.2 ASTM-E84	Tunnel test	315	Complies with standard
CHEMICAL RESISTANCE	Laboratory tested Javel water (5%) HCI SOLN (26%)	%	100	Excellent
ELECTRICAL CONDUCTION	ASTM-D2565	Ohm	10^7	Dissipates static electricity
ABSORPTION	Factory tested	%	0	Excellent
BONDING TO SUPPORT	Laboratory tested	kg /cm	3.4	Excellent

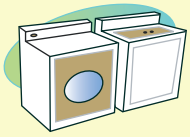
Use Acoustik™ subflooring for effective reduction of impact noise, vibration, airborne sound & crack suppression.



Acoustik™ is comfortable and resilient.

Acoustik™ provides high thermal insulation.

Acoustik™ is fully waterproof. 100% vapor barrier.

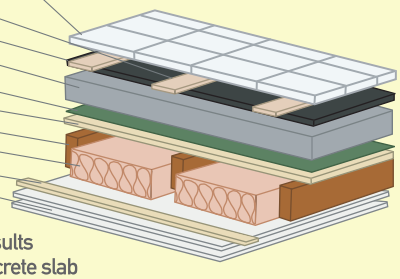


Acoustik™ dampens vibrations.

Acoustik™ is ideal under wood floors. It provides better resistance to impact noise and enhances the floor's acoustic performance.

LIGHT CONCRETE SLAB

1. Finished floor (Tested with ceramic, suitable for marble granite etc.)
2. Floor furring strip 5/8"x3 1/2" every 10"
3. Acoustik™ 1/2"
4. Light concrete floor slab 1 1/2"
5. Insulation board
6. 3/4 or 5/8" plywood
7. Joist or beam
8. Acoustic wool 6"
9. Flexible bar
10. 2 x Gypsum

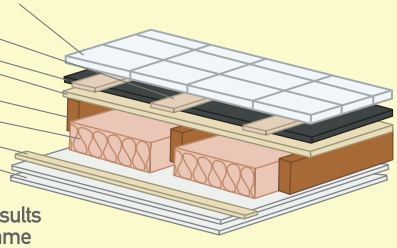


Acoustik™ test results ceramic, light concrete slab

	FSTC	STC	FIIC / IIC
Acoustik 1/4" (6 mm)	54	59	48 / 53
Acoustik 3/8" (9 mm)	54	59	49 / 54
Acoustik 1/2" (12 mm)	55	60	51 / 56

WOOD FRAME

1. Finished floor (Tested with ceramic, suitable for marble granite etc.)
2. Floor furring strip 5/8"x3 1/2" every 10"
3. Acoustik™ 1/2"
4. 3/4 or 5/8" plywood
5. Joist or beam
6. Acoustic wool 6"
7. Flexible bar
8. 2 x Gypsum

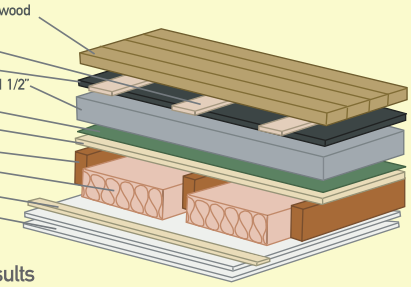


Acoustik™ test results ceramic, wood frame

	FSTC	STC	FIIC / IIC
Acoustik 1/4" (6 mm)	54	59	45 / 50
Acoustik 3/8" (9 mm)	54	59	47 / 52
Acoustik 1/2" (12 mm)	54	59	50 / 55

LIGHT CONCRETE SLAB

1. 3/4 " Engineered or solid wood
2. Floor furring strip 5/8"x3 1/2" every 10"
3. Acoustik™ 1/2"
4. Light concrete floor slab 1 1/2"
5. Insulation board
6. 3/4 or 5/8" plywood
7. Joist or beam
8. Acoustic wool 6"
9. Flexible bar
10. 2 x Gypsum

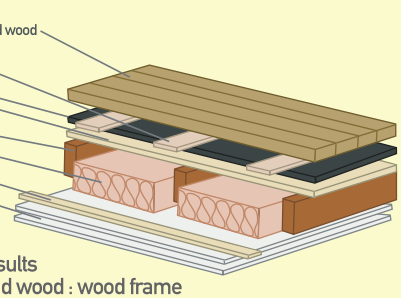


Acoustik™ test results engineered or solid wood : light concrete slab

	FSTC	STC	FIIC / IIC
Acoustik 1/4" (6 mm)	55	60	51 / 56
Acoustik 3/8" (9 mm)	57	62	52 / 57
Acoustik 1/2" (12 mm)	58	63	55 / 60

WOOD FRAME

1. 3/4 " Engineered or solid wood
2. Floor furring strip 5/8"x3 1/2" every 10"
3. Acoustik™ 1/2"
4. 3/4 or 5/8" plywood
5. Joist or beam
6. Acoustic wool 6"
7. Flexible bar
8. 2 x Gypsum

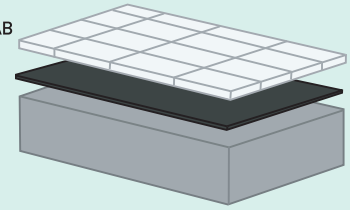


Acoustik™ test results engineered or solid wood : wood frame

	FSTC	STC	FIIC / IIC
Acoustik 1/4" (6 mm)	55	60	48 / 53
Acoustik 3/8" (9 mm)	55	60	50 / 55
Acoustik 1/2" (12 mm)	55	60	52 / 56

6" or 8" CONCRETE SLAB

1. Finished floor (Tested with ceramic, suitable for marble granite etc.)
2. Acoustik™ 3/8"
3. 6" or 8" concrete slab



Acoustik™ test results with 6" or 8" Concrete slab (no drop ceiling)

Finished floor (Tested with ceramic, suitable for marble granite etc.)
Thin set kerolastic
Acoustik 1/4" (6 mm)
DA5 Duro adhesive

	FIIC / IIC	FSTC
6" concrete slab	53 / 58	53 / 60
8" concrete slab	56 / 61	56 / 63

Finished floor (Tested with ceramic, suitable for marble granite etc.)
Thin set kerolastic
Acoustik 3/8" (9 mm)
DA5 Duro adhesive

	FIIC / IIC	FSTC
6" concrete slab	55 / 60	53 / 60
8" concrete slab	58 / 63	56 / 63

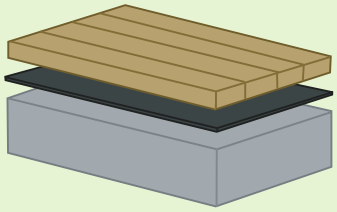
Finished floor (Tested with ceramic, suitable for marble granite etc.)
Thin set kerolastic
Acoustik 1/2" (12 mm)
DA5 Duro adhesive

	FIIC / IIC	FSTC
6" concrete slab	56 / 61	53 / 60
8" concrete slab	59 / 64	57 / 64

The Florida Building Code / section 1207.3 is mentioning a minimum difference of 5 in between field test and laboratory test in accordance with ASTM E 492

6" or 8" CONCRETE SLAB

1. Finished floor (1/2" wooden laths)
2. Acoustik™ 3/8"
3. 6"or 8" concrete slab



Acoustik™ test results with 6"or 8" Concrete slab (no drop ceiling)

Engineered or solid hardwood
Poly-300 wood adhesive
Acoustik 1/4" (6 mm)
DA5 Duro adhesive

	FIIC / IIC	FSTC
6" concrete slab	57 / 62	53 / 60
8" concrete slab	60 / 65	56 / 63

Engineered or solid hardwood
Poly-300 wood adhesive
Acoustik 3/8" (9 mm)
DA5 Duro adhesive

	FIIC / IIC	FSTC
6" concrete slab	58 / 53	53 / 60
8" concrete slab	62 / 67	57 / 64

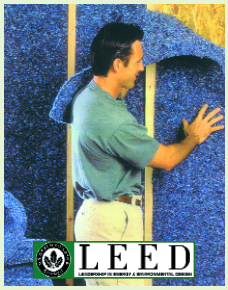
Engineered or solid hardwood
Poly-300 wood adhesive
Acoustik 1/2" (12 mm)
DA5 Duro adhesive

	FIIC / IIC	FSTC
6" concrete slab	60 / 65	54 / 61
8" concrete slab	63 / 68	59 / 66

The Florida Building Code / section 1207.3 is mentioning a minimum difference of 5 in between field test and laboratory test in accordance with ASTM E 492

For even greater noise reduction we recommend including Ultratouch R-13 or R-19 acoustic cotton insulation and RSIC-1 Resilient Sound Isolation Clips.

UltraTouch High Performance Acoustical Cotton Insulation, No Fiberglass, No Itch



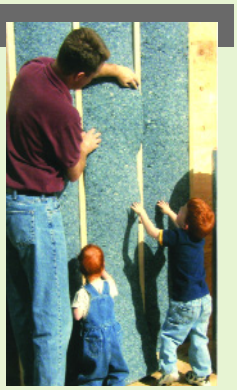
May Qualify for LEED Credits.

Material: Recycled cotton. **Features:** No itch, no fiberglass. Environmentally friendly green product. Low frequency sound is the most difficult to control. UltraTouch is designed to perform in the most demanding situations. Clubs, band rooms, studios, home AV rooms, theaters, manufacturing plants and enclosures. Install in ceiling, wall or floor cavities, or leave exposed to noise source for optimal noise control. When appearance is critical, use UltraTouch behind fabric, perforated panels or wood grills. UltraTouch also provides excellent thermal insulation. 3" = R-13, 5" = R-19. Available in Batts, Nominal 16.25" or 24.25" W x 94" L. **NRC 1.37 @ 250Hz.** Also available in R-21 & R-30.

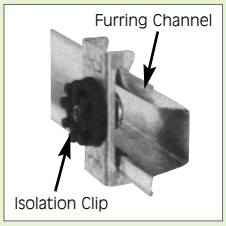
Made of recycled cotton

UltraTouch Acoustical Insulation – Sound Absorption / Noise Reduction

PRODUCT	Nom. Size/Density	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC
UltraTouch Insulation	3" 1.2 lb./cf	.95	**1.30**	1.19	1.08	1.02	1.00	1.15
UltraTouch Insulation	5" 1.2 lb./cf	.97	**1.37**	1.23	1.05	1.00	1.01	1.15



RSIC-1 Resilient Sound Isolation Clip, an Economical Solution for High STC Walls, Floors & Ceilings



Test:
Report No. 7785-1-201, Challis Consulting P/L. Australia.

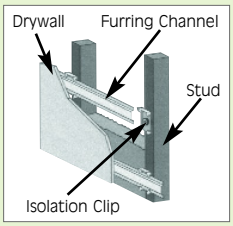
FEATURES: Replaces old fashioned less effective resilient channel.

- Sound Transmission Class (STC) rating of 55, a full 19 dB greater than lesser wall assemblies.
- Experiences with the RSIC-1 have recorded remarkable improvements of up to STC 20 on walls.
- Not only is the RSIC-1 silencing the competition with sound elimination, the RSIC-1 is approved for U.L. Classification in 139 Resistive Design Assemblies. Up to 4 (four) Hour Fire Endurance Tests. ■ Tough, durable, attractive. ■ Low cost, high performing.
- Field Impact Isolation Class Rating of 82.
- Floor/ceiling systems utilizing RSIC-1 have recorded STC ratings as high as 60.

AVAILABLE MODELS FOR VARIOUS APPLICATIONS: • RSIC-1 • RSIC-1 RETRO • RSIC-1 ADM • RSIC-1 TTC • RSIC-1 EXT04 • RSIC-AMI Window Mullion • RSIC-1.5CRC • RSIC-2 (RSIC-1 with 3/8" spacer) • RSIC-2 RETRO • RSIC-DC04 • RSIC-DC04x2 • RSIC-HWI • RSIC-CWB • RSIC-V • RSIC-BB • RSIC-FS

PRODUCT HIGHLIGHTS

- RSIC-1 Resilient Sound Isolation Clips provide 2 unique approaches to sound privacy that will prevent sound from noisy neighbors transmitting through your walls or floor/ceiling assemblies.
- The RSIC-1 Clips have recorded remarkable improvements of up to an additional 20 STC points on walls.
- The RSIC-1 is designed to retrofit and improve existing walls and ceilings as much as 8-10 db, by actual field tests.



FIIC	FSTC
Field Impact Isolation Class	Field Sound Transmission Class
FIIC 82	FSTC 55

ACOUSTIK™ INSTALLATION

– Install the ACOUSTIK™ membrane directly on the structure (concrete or wood).
– Then lay the floor covering over the ACOUSTIK™ membrane.
– Let dry for 24 hours before use.

Go to www.acousticalsurfaces.com/acoust_flooring/acoustik.htm to get full installation details, specifications and advice on adhesive.

ACOUSTIK™ FORMAT

Thickness nominal: 1/4", 3/8", 1/2"

Available in sheets of different sizes – sold in sq. ft.
Please verify with your local representative.

***F.S.T.C.: Field sound transmission class airborne noise. *F.I.I.C.: Field impact isolation class impact noise.**

The quality of the materials used, how they are installed, acoustical leaks at wall and ceiling joints and so on, as well as the floor deflection coefficient, can result in performance that significantly differs from established acoustic indexes.

Limited Warranty: Limited 25 year warranty is provided by Tuile Duro. Visit www.acousticalsurfaces.com for more information.

Note: Acoustik™ is a Trade Mark owned by Tuile Duro and can only be used when manufactured by Duro.

SALES REPRESENTATIVE:

PRINTED IN THE U.S.A.

Acoustical Surfaces, Inc.
We Identify and S.T.O.P. Your Noise Problems
Sound Transmission Obscuring Products
Soundproofing, Acoustics, Noise & Vibration Control Specialists ™

AVAILABLE FROM

Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North – Suite 201 – Chaska, MN 55318
952-448-5300 Fax: 952-448-2613 (888) 223-5784
sales@acousticalsurfaces.com www.acousticalsurfaces.com