



SOUND  
INSULATION

THE ORIGINAL RECYCLED RUBBER IMPACT SOUND INSULATION.

QUIETER  
SPACES  
SOUND  
GOOD.





## ACHIEVING THE INDUSTRY'S BEST IIC RATINGS

SINCE 2000

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### KICK NOISE OUT

QT Sound Insulation is a line of high quality sound control underlayments, manufactured in the USA by Ecore International, a company that transforms reclaimed materials into unique performance surfaces that make people's lives better. QT has been tested in more than 550 laboratory and field assemblies. QT has been proven to repeatedly perform as engineered to meet design requirements.



### WHAT MAKES QT SO SUSTAINABLE?

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Made from 92 percent recycled tire rubber, the QT brand of products provides an environmentally responsible solution for quality sound control by using and reusing industrial and post-consumer waste.

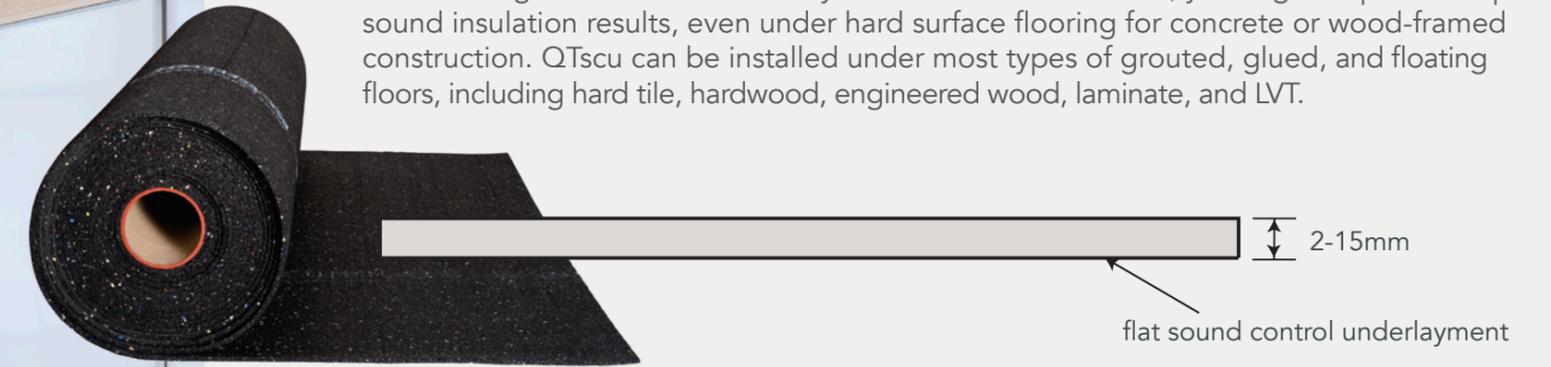
Ecore diverted over 109.5 million pounds of truck tires from landfills in 2018 while only contributing 3 million pounds of waste to landfills. That's a Net Landfill Diversion of 106 million pounds.



## QT SCU

PATENT NO RE 41,945

QTscu is engineered for use directly under most floor finishes, yielding exceptional impact sound insulation results, even under hard surface flooring for concrete or wood-framed construction. QTscu can be installed under most types of grouted, glued, and floating floors, including hard tile, hardwood, engineered wood, laminate, and LVT.

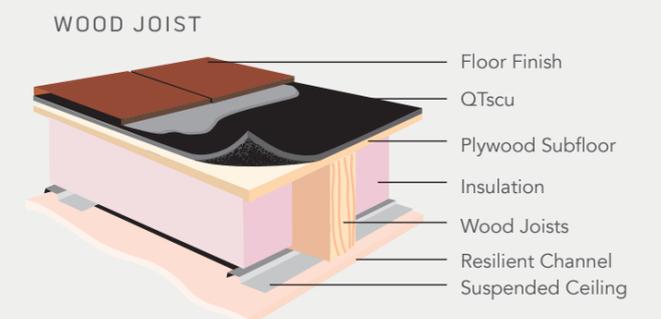
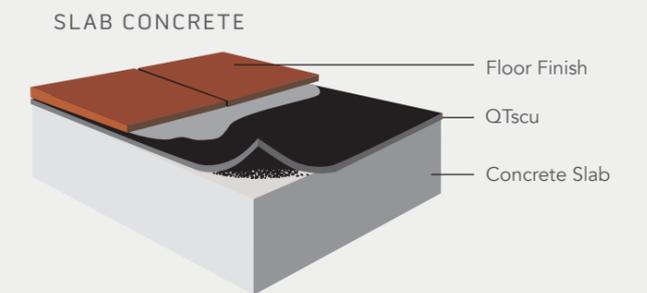


### OPTIONS

- Available in 48-inch-wide rolls and five standard thicknesses (2 millimeter (mm) - 15 mm).
- Custom thicknesses available
- Optional vapor barrier (only available for use underneath floating floors)

### BENEFITS

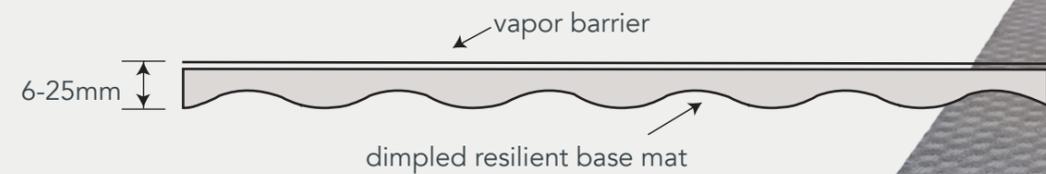
- Made in the USA from 92-percent resilient recycled rubber and backed by more than 550 independent laboratory and field tests
- Fast, hassle-free installation
- Compatible with most floor finishes
- Doubles as a Tile Council of North America (TCNA)-rated high performance crack isolation membrane
- Can thin-set tile directly per ASTM C627
- Compatible with radiant heat flooring systems
- Five mm thick QT performs better than 12 mm cork per ASTM E2179



# QTRBM

## RESILIENT BASE MAT

Composed of 92-percent recycled rubber, QTrbm is a dimpled mat designed for use under gypsum or full weight concrete. Also available with a moisture barrier, QTrbm features quick and easy dry-laid installation. Supported by more than 550 independent laboratory and field tests, QTrbm outperforms cork, felt, plastic, and roofing membranes while meeting all established indoor air quality standards to make it one of the most effective and sustainable products available.

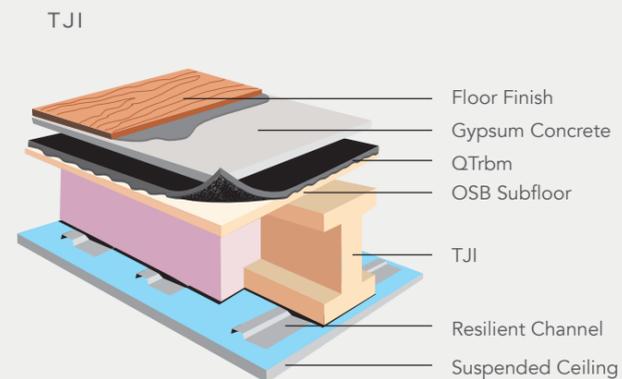


## OPTIONS

- Offered in 54-inch-wide rolls and three standard thicknesses (6mm, 10mm, 17mm)
- Offered in 48-inch-wide rolls for 25mm

## BENEFITS

- Easy installation – just roll out, tape, and go
- System rated for commercial and residential use per ASTM C627 and is system rated for commercial and residential use per ASTM C627
- Minimum 1-inch pour meets sound rating criteria and is rated light commercial by the Tile Council of North America
- Durable enough to withstand movement of heavy equipment on surface
- Very low compression set versus entangled mesh mats



# TEST RESULTS

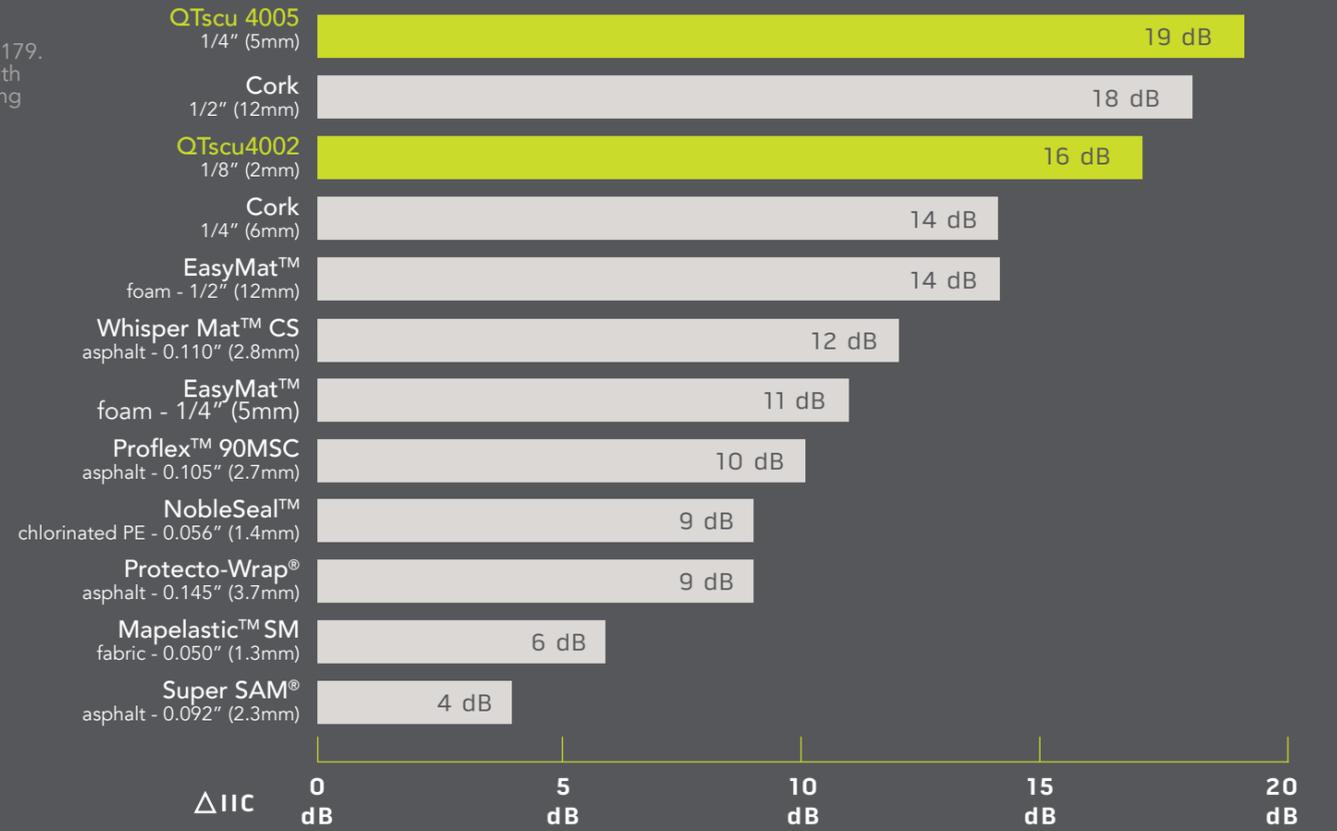
Floor Structure	Ceiling	Finish	QTrbm	QTscu	IIC	STC	Test #
5.5" Epicore MSR	YES	LVT		QT4002	64	62	I3463.08
5.5" Epicore MSR	NO	LVT		QT4005	52	51	I3463.12
5.5" Vulcraft Deck	NO	Engineered Wood		QT4005	50	50	h7786.05
5.5" Vulcraft Deck	NO	LVT		QT4005	51	52	h7786.03
6" concrete	NO	Bamboo		QT4005	51		7012005
6" concrete	NO	Engineered Wood		QT4002	54	53	d7706.01
6" concrete	YES	Engineered Wood		QT4002	68	62	d7519.11
6" concrete	YES	LVT		QT4002	62	62	d7519.10
6" concrete	NO	LVT		QT4002	50	54	c8707.02
6" concrete	NO	LVT		QT4005	52	54	c8707.03
6" concrete	NO	Plywood	QT3025.7x2		60	61	c8457.01
6" concrete	NO	Plywood	QT3025.7		57	58	d6587.02
6" concrete	YES	Porcelain Tile		QT4002	58	62	d7519.09
6" concrete	NO	Porcelain Tile		QT4010	50	54	d6770.05
6" concrete	NO	Porcelain Tile		QT4012	51	54	d6770.07
7" concrete	NO	Bamboo		QT4002	54	55	c5673.01A
7" concrete	NO	Laminate		QT4002	58	56	c5673.01B
7" concrete	NO	LVT		QT4002	52	57	c6377.01
8" concrete	NO	Bamboo		QT4002	53		7012004
8" concrete	NO	Engineered Wood		QT4005	54	55	f1775.03
8" concrete	YES	Engineered Wood		QT4005	67	62	e3618.02
8" concrete	YES	Hardwood		QT4002	72	72	7004004
8" concrete	NO	LVT		QT4002	51	54	f9452.01
8" concrete	YES	LVT		QT4002	66	64	f9452.02
8" concrete	NO	LVT		QT4005	54	56	f9452.04
8" concrete	YES	LVT		QT4005	69	64	f9452.03
8" concrete	NO	Porcelain Tile		QT4005	51	57	d6771.02
8" concrete	NO	Porcelain Tile		QT4010	53	57	d6771.03
10" concrete	NO	Engineered Wood		QT4002	56	55	I1766.01
10" concrete	YES	Engineered Wood		QT4002	68	61	I1766.05
Steel Joist	YES	LVT		QT4005	50	56	h3319.04
TJI	YES	Ceramic Tile		QT4002	53	62	e6968.15
TJI	YES	Engineered Wood		QT4005	50	58	7013056
TJI	YES	Laminate		QT4002	58	61	e6968.13
Wood Joist	YES	Gypsum Concrete	QT3006.3		52		7003001
Wood Joist	YES	Hardwood		QT4005	51		7002053
Wood Joist	YES	Hardwood (on Gypsum Concrete)	QT3006.3		54		7003002
Wood Joist	YES	Quarry Tile		QT4005	56		7002038
Wood Joist	YES	Quarry Tile		QT4010	59		7002041
Wood Joist	YES	Stone Tile	QT3006.3		51	57	7003004
Wood Truss	YES	Ceramic Tile		QT4005	52	64	d0875.02
Wood Truss	YES	Laminate		QT4002	53	63	c7016.01
Wood Truss	YES	LVT		QT4002	50	63	c8706.05
Wood Truss	YES	LVT		QT4005	53	63	c8706.03

# TEST DATA

## EVALUATION OF IMPROVEMENT CAUSED BY RESILIENT UNDERLAYMENT

Tested to ASTM E2179. Tested with tile flooring covering.

BRAND AND THICKNESS



## PRODUCT TECHNICAL DATA

	PRODUCT	THICKNESS	ROLL DIMENSIONS	WEIGHT/ROLL	TYPE A HARDNESS (ASTM-D22240)
QTSCU	QT4002	2mm (1/8")	48" x 75'	120 lbs	55 durometer
	QT 4005	5mm (1/4")	48" x 30'	100 lbs	48 durometer
	QT 4010	10mm ( 3/8")	48" x 15'	100 lbs	48 durometer
	QT 4012	12mm (1/2")	48" x 15'	120 lbs	48 durometer
	QT 5015	15mm (5/8")	48" x 15'	135 lbs	56 durometer
QTRBM	QT 3006 - 3W	6mm (1/4")	54" x 30'	90 lbs	
	QT 3010 - 5W	10mm ( 3/8")	54" x 30'	120 lbs	
	QT 3017 - 8W	17mm (3/4")	54" x 30'	250 lbs	
	QT 3025 - 7 W	25mm (1.0")	48" x 15'	162 lbs	

# INSTALLATION GUIDE

## QTSCU



**STEP 1**  
After installing a perimeter isolation strip, apply approved adhesive to the subfloor using recommended trowel size.



**STEP 2**  
Lay the QTSCU into the adhesive bed.



**STEP 3**  
Roll the QT with an approved flooring roller.



**STEP 4**  
Apply thin set to the QT using TCNA recommended trowel size.



**STEP 5**  
Lay floor finish.

## QTRBM



**STEP 1**  
After installing a perimeter isolation strip, QTRBM is easily rolled onto a smooth surface. It lays flat and will not slip or move.



**STEP 2**  
Duct tape the seams.



**NOTE:**  
QTRBM is durable enough for foot traffic, pouring equipment, and materials.



**STEP 3**  
Pour a minimum 1" gypsum concrete surface that meets required sound ratings and passes structural requirements.



**STEP 4**  
Prepare gypsum concrete surface for floor finish.

# PERIMETER ISOLATION STRIP

Our Perimeter Isolation Strips consist of expanded, closed cell, plank, polyethylene foam that meets ASTM D1056 and ASTM D3575 standards. This accessory is an economical, lightweight, flexible, compressible, resilient, nonabsorbent and inherent bond breaker that minimizes lateral sound transmission. Perimeter Isolation Strip should be used with every QT installation.

## APPLICATIONS

- To break path of vibration transmission between the floor and the wall.

## SIZES AND PACKAGING

- Standard thickness 1/4" x 2.5" x 50ft rolls



TYPICAL PHYSICAL PROPERTIES	TEST METHOD	UNIT	TYPICAL RESULTS
Compression Strength	ASTM D-3575	@25% deflection psi @50% deflection psi	3.8 11.6
Compression Set	ASTM D-3575	%	<30
Tensile Strength	ASTM D-3575	psi	58 30
Elongation	ASTM D-3575	%	86 60
Tear Resistance	ASTM D-3575	lb/in	11 17
Density Range	ASTM D-3575	lb/ft <sup>3</sup>	1.5 - 1.9
Water Absorption	ASTM D-1056	lb/ft <sup>2</sup>	<0.1
Thermal Stability	ASTM D-3575	%	<5
Thermal Conductivity (k-value)	ASTM C-518	(BTU-IN / HR-FT <sup>2</sup> -°F)	0.35 - 0.42
Thermal Resistance (R-value)	ASTM C-518	(HR-FT <sup>2</sup> -°F / BTU)	1.30 - 1.60



For more information and samples, call 1-866-326-5712 or visit  
[WWW.QTSOUNDCONTROL.COM](http://WWW.QTSOUNDCONTROL.COM)

Ecore • 715 Fountain Avenue • Lancaster, PA 17601 • 1-800-322-1923 • [ecoreintl.com](http://ecoreintl.com)  
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QTscu Patent No. RE 41,945.

Tests conducted by third party labs fully accredited and compliant with the international accreditation standard (ISO/IEC 17025).



POWERED BY  
**ecore**<sup>™</sup>

Previously Known As Dodge-Regupol QT  
QT\_CAT\_2021