

**THE MOST TESTED SOUND CONTROL PRODUCT  
IN THE INDUSTRY...**

**QT**<sup>TM</sup>

**SOUND INSULATION**

Regupol-QT has evolved into QT.



**OVER 185 TEST RESULTS PROVE IT.**

# QT

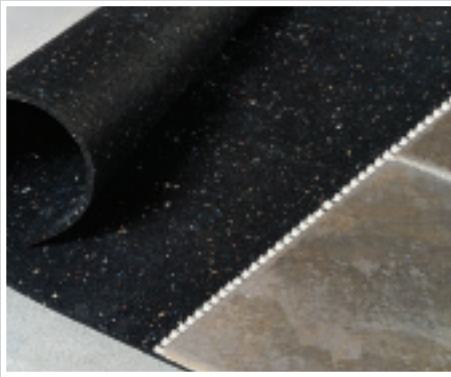
**SOUND INSULATION**

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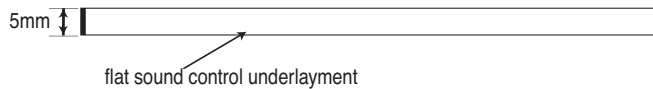
The Regupol-QT line of products for impact sound insulation has naturally adapted to the market environment with an easier to pronounce and remember moniker—simply QT. The name has changed, but our products remain the same, including the same superior performance that have made them the choice of engineers, architects, owners and contractors for years. Made from 100% resilient recycled rubber and backed by over 185 independent laboratory and field tests, more than 60 million feet of QT have been selected and used in some of the best hotels and condominiums in the world. It can be made in varying dynamic stiffnesses and thicknesses to solve almost any impact sound problem to the degree of quietness required.

## QTscu PATENT No. 6,920,723



Isolates subfloor cracks up to 1/4" from transferring through and cracking your tile or stone floor. Elimination of surface cracks improves the life cycle costs of the flooring. QTscu is compatible with a direct application of all floor finishes including ceramic tile, stone, hardwood, laminate, vinyl and carpet.

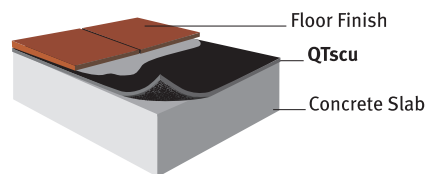
QT sound control underlayment (scu) is a flat, resilient underlayment used directly under all floor finishes, yielding exceptional results even under hard surface flooring and over concrete and wood joist construction.



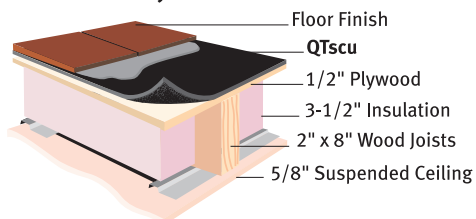
### Performance Benefits:

- Can thin-set tile and stone directly to the product per ASTM C627
- 5 mm thickness QT performs better than 1/2" cork per ASTM E2179
- Available in 48" wide rolls and a variety of thicknesses
- Compatible with all floor finishes
- Fast installation
- Waterproof membrane and peel-and-stick options available
- Crack isolation membrane protects ceramic tile, porcelain and stone from substrate cracks
- Rated light commercial by the Tile Council of North America
- QTscu is a patented product

### Single Slab Concrete



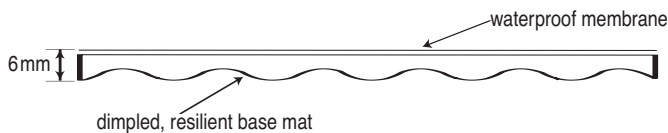
### Wood Joist



- Engineered to provide the highest IIC rating improvement as measured by ASTM E2179
- Results are backed by over 185 independent laboratory and field tests in a variety of floor-ceiling assemblies per ASTM E492, E90 and E1007
- Compatible with a direct application of floor finishes including ceramic tile, stone, laminate, hardwood, vinyl and carpet
- Anti-fracture crack bridging properties
- For multifamily housing, high rises, single-family homes or office buildings
- Meets and exceeds tough building code requirements while adding less than 1/2" of floor height
- Outperforms cork, felt, plastic and roofing membranes
- Meets all established indoor air quality standards
- Lifetime warranty against product defects and workmanship

## QTrbm PATENT PENDING

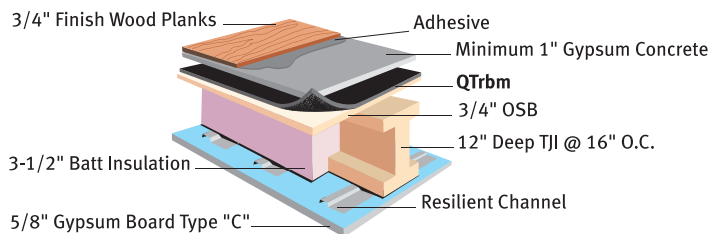
QT resilient base mat (rbm) is a dimpled, resilient base mat that can be applied under gypsum or full weight concrete to produce some of the thinnest sound rated systems in the industry.



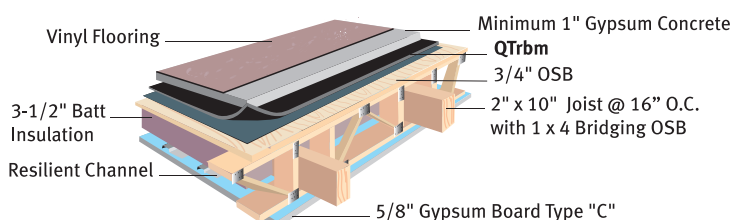
### Performance Benefits:

- Sound rated system under 1" total thickness
- Minimum 1" pour (3/4" pour with some systems) meets sound rating criteria and rated light commercial by the Tile Council of North America
- Approved in over 82 UL floor/ceiling assemblies and is system rated for commercial and residential use per ASTM C627
- Foolproof installation means no mistakes—just roll out, tape and go
- Durable enough to withstand movement of heavy equipment on surface
- Very low compression set versus tangled plastic mats
- Available in 48" and 54" wide rolls and 4 standard thicknesses—6 mm, 10 mm, 17 mm and 25 mm
- QTrbm patent pending

### TJI®-type Construction



### Open Web Truss Floor



After installing an isolation perimeter strip, QTrbm is easily rolled onto a smooth surface. It lays flat and will not slip or move.



Simply duct tape the joints.



QTrbm is durable enough for foot traffic, pouring equipment and materials.



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



Prepare gypsum concrete surface for floor finish.



## QT Test Results

Floor Structure	Ceiling	Finish	QTrbm	QTscu	IIC	STC
8" CONCRETE SLAB	NO	TILE		QT4005	50	
8" CONCRETE SLAB	NO	TILE		QT4010	53	54
8" CONCRETE SLAB	NO	TILE		QT4012	55	59
8" CONCRETE SLAB	NO	TILE		QT4012	56-F	
8" CONCRETE SLAB	NO	WOOD		QT4002	54	53
8" CONCRETE SLAB	YES	WOOD		QT4002	71	72
8" CONCRETE SLAB	NO	TILE	QT3010-5W		60-F	
8" CONCRETE SLAB	NO	TILE	QT3017-8W		58-F	
7" CONCRETE SLAB	NO	TILE		QT4005	51-F	
7" CONCRETE SLAB	NO	WOOD		QT4005	58-F	
HAMBRO D500	YES	TILE		QT5015	58	61
HAMBRO D500	YES	WOOD		QT5015	58	
HAMBRO D500	YES	WOOD		QT4010	51	54
OPEN-WEB TRUSS	YES	TILE		QT4006	53	55
OPEN-WEB TRUSS	YES	TILE	QT3006-3W +	QT4005	56	55
OPEN-WEB TRUSS	YES	TILE	QT3006-3W		56-F	
OPEN-WEB TRUSS	YES	TILE	QT3010-5W		57-F	
OPEN-WEB TRUSS	YES	BARE	NONE		44-F	
OPEN-WEB TRUSS	YES	VINYL	QT3010-5W +	QT4005	56-F	
OPEN-WEB TRUSS	YES	TILE	QT3010-5W +	QT4005	58-F	
OPEN-WEB TRUSS	YES	WOOD	QT3010-5W +	QT4005	67-F	
OPEN-WEB TRUSS	YES	TILE	NO GYPSUM CONCRETE	QT4010 x 2 LAYERS	54-F	
OPEN-WEB TRUSS	YES	CARPET	NO GYPSUM CONCRETE	QT4010 x 2 LAYERS	67-F	
TJI-TYPE	YES	TILE	QT3010-5W +	QT4002	54	57
TJI-TYPE	YES	TILE	QT3006-3W		53	
TJI-TYPE	YES	VINYL	QT3006-3W +	QT4005	57	
TJI-TYPE	YES	TILE	QT3006-3W +	QT4002	53	54
TJI-TYPE	YES	TILE	QT3006-3W +	QT4005	53	57
TJI-TYPE	YES	OAK	QT3006-3W		54	
TJI-TYPE	YES	VINYL	NONE		39-F	
TJI-TYPE	YES	VINYL	QT3006-3W		53-F	
TJI-TYPE	YES	TILE	QT3006-3W +	QT4005	55-F	
TJI-TYPE	YES	VINYL	QT3006-3W +	QT4005	56-F	
TJI-TYPE	YES	WOOD	QT3006-3W +	QT4005	64-F	
STEEL BAR JOIST	YES	TILE		QT5015	56-F	
STEEL BAR JOIST	YES	TILE	QT3017-8W		58-F	
STEEL BAR JOIST	YES	TILE	QT3025-7W		61-F	

Backed by over 185 independent field and laboratory tests. Additional test results available upon request. QTscu is listed with the ICC evaluation services report #ER-6064. Both QTscu and QTrbm are UL listed products.

### Product Technical Data

	Product	Thickness	Roll Dimensions	Weight/Roll	Type A Hardness (ASTM D2240)
QTscu	QT4002	2mm (1/8")	48" x 75'	90 lbs.	40 durometer
	QT4005	5mm (1/4")	48" x 30'	90 lbs.	40 durometer
	QT4010	10mm (3/8")	48" x 15'	90 lbs.	40 durometer
	QT4012	12mm (1/2")	48" x 15'	108 lbs.	40 durometer
	QT5015	15mm (5/8")	48" x 15'	135 lbs.	50 durometer
QTrbm	QT3006-3W	6mm (1/4")	54" x 30'	90 lbs.	30 durometer
	QT3010-5W	10mm (3/8")	54" x 30'	120 lbs.	30 durometer
	QT3017-8W	17mm (3/4")	54" x 30'	203 lbs.	30 durometer
	QT3025-7W	25mm (1.0")	48" x 30'	290 lbs.	30 durometer

**For more information and samples, call 1-866-326-5712 or visit [www.QTevolution.com](http://www.QTevolution.com)**



ECORE Intl. is an active member of the U.S. Green Building Council (USGBC).



Manufactured by: