



## QQ Step Soft™ Products

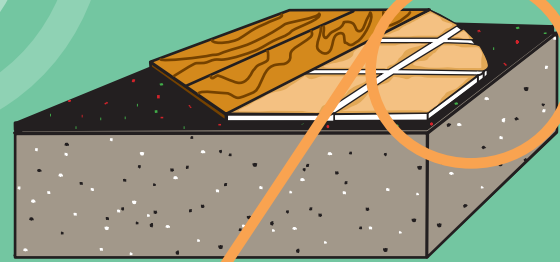
### Under Hard Surfaces

QQ Step Soft™ is a recycled rubber flooring underlayment for sound isolation in ceiling/floor assemblies.

The rubber material provides a resilient layer within the flooring assembly for reducing impact noise.

QQ Step Soft™ is a critical component in meeting International Building Code requirements for ceiling/floor noise reduction performance.

QQ Step Soft™ passes the Federal Flammability Standard, meets CHPS standards for VOCs, and passes the ASTM C627 reliability standard for residential use.



This high-frequency noise dampener works from 1000 hz and up to soften the impact noise of footfall in systems in which there is already ample airborne noise control, and no additional mass is required to achieve the Sound Transmission Classification ASTM standard required under the International Building Code.

## Benefits

- ✓ Effective impact noise reduction
- ✓ Thinner material required vs. other resilient underlayments
- ✓ Environmentally friendly
- ✓ Low odor
- ✓ Long life
- ✓ Delta IIC of 21 at 5 mm
- ✓ Reliable tile installations
- ✓ Lower unit cost



*QQ Step Soft™ is  
2 to 10 mm. thick and sold in  
20- to 50 foot rolls*

*Photo: Water Crest Condominiums,  
Madison, WI – QQ Step Soft™*



## QQ Step Soft™ Products



Product	Thickness	Length	Area
QQ Step Soft 02/035	2.0 mm	50 ft.	200 sq. ft.
QQ Step Soft 05/035	5.0 mm	25 ft.	100 sq. ft.
QQ Step Soft 06/035	6.0 mm	25 ft.	100 sq. ft.
QQ Step Soft 08/035	8.0 mm	20 ft.	80 sq. ft.
QQ Step Soft 10/035	10.0 mm	20 ft.	80 sq. ft.

QQ Step Soft™ Products range in thickness from 2 mm to 10 mm, Contact KBP for more information.

For a complete list of all our products, please contact KBP, or visit our website at [www.KeeneBuilding.com](http://www.KeeneBuilding.com)

### Applications

- ✓ With fully adhered finished hard surfaces, such as ceramic tile and glued-down wood
- ✓ Loose-laid with floating engineered wood systems
- ✓ In high-rise concrete applications
- ✓ In conjunction with wood frame construction and gypsum concrete
- ✓ Achieves an industry standard IIC of 50 in previously tested assemblies
- ✓ For LEED credit for utilizing 100% recycled tire rubber

### QQ Step Soft™

Impact noise is controlled through a mass-spring-mass assembly. With QQ Step Soft™, the mass of the finished flooring is the top side mass, and the concrete or gypsum concrete is the bottom-side mass. QQ Step Soft™ is the “spring” in the middle of the two. The softness of the QQ Step Soft™ is engineered to provide noise absorption, while providing a solid surface for the hard surfaces above.

QQ Step Soft™ passes a Robinson Wheel Test (ASTM C627) at a residential rating. The Delta IIC value of a 5-mm, 100% recycled rubber mat has been tested under ASTM E2179-03, and shown to provide 21 dB.

QUIET QURL is a component in an overall floor/ceiling assembly. Its performance is affected by every other component and the likelihood of achieving code compliance is contingent upon many other trades including framers, plumbers, drywall contractors to name a few. Developers and general contractors are responsible for building properly and testing field performance as soon as possible in order to assure the reliability of the project.

**WARNING:** Laboratory tests are not a guarantee of field performance because of the issues noted above and many other design errors that may occur. Please consult a professional acoustical consultant to assure plans are proper and that the floor/ceiling assembly can perform to expectations.



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