

Product Data

Quiet Qurl® 075

A Noise Control Mat

Description

Quiet Qurl® 075 is a nominal 0.75-inch, random-filament, cusped geometric patterned core laminated to a breathable membrane, sound control mat designed to limit impact noise between floors.

It is produced from an extruded polymer matrix of tangled monofilaments, which are heat-welded at the junctions to form a resilient structure that absorbs noise when sandwiched in a mass-spring-mass building design.

The product is designed for retrofit of existing buildings in which a ceiling assembly is not utilized. In critical areas of new construction, 075 will add approximately 35 extra IIC points.

Quiet Qurl 075 prevents liquid moisture in lightweight concrete and gypsum concrete from passing through to the substrate – an essential quality for wood frame construction.

Quiet Qurl 075, a Class A fire-rated product, allows moisture to continue to evaporate from the bottom side of the topping pour, but prevents trapped moisture, since it continues to allow moisture vapor to pass through.

Note: In all retrofit and loft conversion applications performance should be proven with on-site field tests. No floor/ceiling performance on prior projects can replicate performance on another specific project.

Applications

- ✓ Retrofit applications of old buildings – especially historical tax credit apartments and future condominiums
- ✓ Loft conversions
- ✓ When a resilient ceiling is installed
- ✓ With hard surfaces: concrete, stone, tile, vinyl and hardwood finished surfaces
- ✓ With topping layers, such as gypsum concretes, lightweight concrete, mortar beds and plywood
- ✓ When ceiling construction is not an option

Features and Benefits

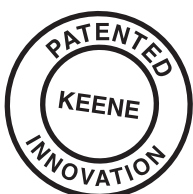
Excellent performance at reducing sound in mid and high frequencies

Performance in wood frame construction and concrete structures

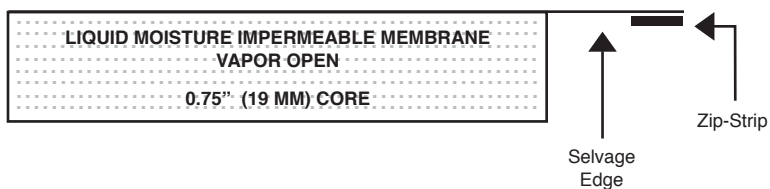
Extra resiliency for greater sound absorption

Thick system, in which floor height is not an issue

Lightweight and easy to handle



Patent No.: US 7,096,630
& US 8,146,310



Physical Properties

Description	Means of Measurement		Value	
	English/Metric		English/Metric	
Core Polymer	Polymeric			
Thickness	Inches	Mm	0.75	19.0
Total Weight	oz/yd ²	g/m ²	22.7	770
Core Weight	oz/yd ²	g/m ²	17.7	590
Fabric Weight	oz/yd ²	g/m ²	2.0	75

Packaging

Description	Means of Measurement		Value	
	English/Metric		English/Metric	
Core Width	Inches	CM	48.0	122
Length	Feet	Meters	50.0	15.2
Area	Square Feet	Square Meters	200	18.6
Roll Diameter	Inches	CM	23.0	58.0
Roll Weight	Pounds	Kg	30.0	13.6

See installation instructions for methods and procedures.

Limitations:

1. Always use perimeter isolation on all walls and penetrations where QUIET QURL will be installed.
2. Always use bulk head to define the area where QUIET QURL will be installed and where carpeted areas without sound mat will begin (see KEENE IDEA).
3. Compressive strength should be a minimum 2000 psi for gypsum underlayment.
4. Gypsum underlayment can crack at doorways and outside corners, consider reinforcement in those areas.
5. Heavy traffic areas and a confluence of doorways can be prone to cracking, consider reinforcement in those areas.
6. ADA units with constant wheeled traffic can be prone to cracking, consider thicker underlayment, reinforcement and floor finishes that spread the load over a greater area.
7. Field sound tests cannot be guaranteed since each component in the assembly and its installation are critical to overall STC and IIC performance.

LIMITED WARRANTY: Keene Building Products, Inc. warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Keene Building Products, Inc. will correct any such failure by either replacing or repairing any defective goods, at Keene Building Products, Inc.'s option.

The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.

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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