Product Data

Quiet Qurl® 075 MT

With Muffling Technology Enhancement

A Noise Control Mat I Part #: 01-X-0107

Description

Quiet Qurl® 075 MT is a nominal 0.75-inch sound control mat made from a random-filament, geometric patterned core laminated to a breathable membrane, that is designed to limit impact noise between floors. On the other side of the fabric is the performance enhancing MT high loft fabric, KEENE's patent pending Muffling Technology. The MT fabric has the ability to add 3 to 5 IIC points to a mat's performance through diffusion of air pressure in the cavity.

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 or retrofit construction, 075 MT will provide the highest level of noise performance available on the market in any entangled net product.

Quiet Qurl 075 MT is manufactured with a liquid moisture resistant fabric. With lightweight concrete and gypsum concrete underlayments, fine particles and liquid moisture are prevented from passing through to the substrate without creating a vapor barrier inside the floor/ceiling assembly – an essential quality for wood frame construction. It is fitted with Zip-Strip adhesion technology. Zip-Strip, a quick peel adhesive strip, is applied to the selvage edge to promote a quick and cost effective installation solution. This 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.

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
- ✔ With topping layers: gypsum concretes, lightweight concrete, mortar beds and plywood
- ✔ When ceiling construction is not an option

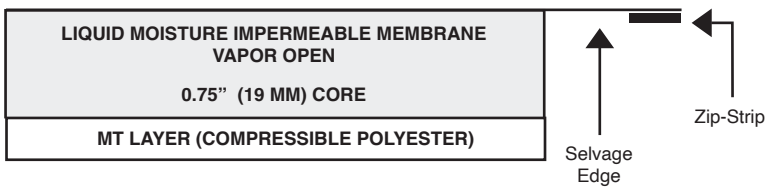
Note: In all retrofit and loft conversion applications performance should be proven with on-site field tests. No floor/ceiling performance on prior projects can replicate performance on another specific project.

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

PATENTED KEENE INNOVATION

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



Physical Properties

Description	Means of Measurement English/Metric		Value English/Metric	
Core Polymer		Polymeric		
Thickness	Inches	Mm	0.75	19.0
Total Weight	oz/yd2	g/m2	22.7	770
Core Weight	oz/yd2	g/m2	17.7	590
Fabric Weight	oz/yd2	g/m2	2.0	75
MT Fabric Weight	oz/yd2	g/m2	3.0	105

Packaging

Description	Means of Measurement English/Metric		Value 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 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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