

Product Data

Quiet Qurl® 60/040 MC

A Noise Control Mat

Description

Quiet Qurl® 60/040 MC is a 0.40-inch, random-filament, cuspated geometric patterned core 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.

With all the moisture issues in construction today, Quiet Qurl® 60/040 MC prevents liquid moisture in lightweight concrete and gypsum concrete from passing through to the substrate – an essential quality for wood frame construction.

Quiet Qurl® 60/040 MC, 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.

Applications

- ✓ Multi-family construction: apartments and condominiums
- ✓ Radiant-heated flooring when pumped with lightweight concrete or gypsum
- ✓ With hard surfaces: concrete, stone, tile, vinyl and hardwood
- ✓ With topping layers such as: FIRM-FILL gypsum concretes, lightweight concrete, mortar beds and plywood
- ✓ With many types of subfloors (with or without ceiling assemblies, many types of wood structural joists and ceilings), and still achieves an IIC of 50 or greater
- ✓ Helps to achieve an STC level of 50 or greater with many types of subfloors

Features and Benefits

Excellent performance at reducing sound in low and high frequencies

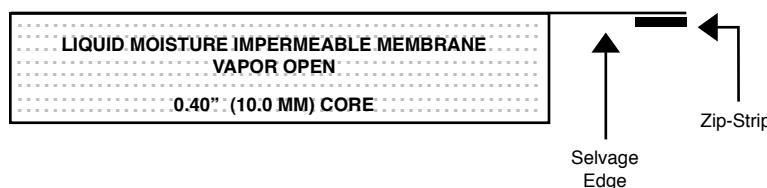
Performance in wood frame construction and concrete structures

Minimal deflection, and no creep or long term degradation

Provides a thin profile for tight construction assemblies

Lightweight and easy to handle

Passes The Robinson Wheel Test with an “extra heavy-duty” rating, with a 1.5” FIRM-FILL underlayment – ASTM CE 627



Physical Properties

Description		Means of Measurement English/Metric		Value English/Metric
Flame Spread		ASTM E84		Class A
Core Polymer			Polypropylene, UV-stabilized	
Thickness	Inches	Mm	0.40	10.0
Total Weight	oz/yd ²	g/m ²	20.0	678
Core Weight	oz/yd ²	g/m ²	17.0	576
Fabric Weight	oz/yd ²	g/m ²	3.0	102

Membrane Physical Properties

Description		Means of Measurement English/Metric		Value English/Metric
Membrane Polymer		Polypropylene		
Thickness	Inches	Mm	0.02	0.50
Membrane Weight	oz/yd ²	g/m ²	1.9	64
Trapezoidal Tear Strength MD/CD		N/5cm		170/140
Pull Strength MD/CD		N/5cm		60/50

Packaging

Description		Means of Measurement English/Metric		Value English/Metric
Core Width	Inches	CM	48.0	122
Length	Feet	Meters	100	30.4
Area	Square Feet	Square Meters	400	37.2
Roll Diameter	Inches	CM	24.0	61.0
Roll Weight	Pounds	Kg	48.0	21.8

Impact Insulation Classification - ASTM E492-96

Subfloor Type	Ceiling	Floating Floor Type	Floor	IIC Number
Wood Joists	Ceiling with RC	FIRM-FILL Gypsum Concrete	Vinyl	56
Wood Joists	Ceiling with RC	FIRM-FILL Gypsum Concrete	Wood	58
Wood Joists	Ceiling with RC	FIRM-FILL Gypsum Concrete	Carpet	71
Wood Joists	Ceiling with RC	FIRM-FILL Gypsum Concrete	Tile	54
Wood Joists	Ceiling with RC	FIRM-FILL Gypsum Concrete	Gypsum	53

See installation instructions for methods and procedures.

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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.



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