

Product Data

Quiet Qurl® 55/025 MC

A Noise Control Mat

Description

Quiet Qurl® 55/025 MC is a nominal 0.25-inch, random-filament, corrugated, "U"-groove 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. Designed for critical applications in which gypsum concrete will be utilized, Quiet Qurl® 55/025 MC prevents liquid moisture from passing through to the substrate – an essential quality for wood frame construction.

Quiet Qurl® 55/025 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.

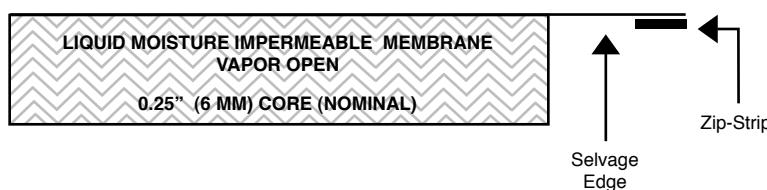
When used in conjunction with 1.0-inch (2.54-cm) FIRM-FILL 3310 Gypsum Concrete, the combined system can achieve a "LIGHT COMMERCIAL" rating from the Tile Council of America.

Applications

- ✓ Multi-family construction: apartments and condominiums
- ✓ Retrofit applications with ceiling assemblies left exposed – topping won't pour through the ceiling
- ✓ 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)

Features and Benefits

- Excellent performance at reducing sound in low and high frequencies
- A very good result and one that no other company will have
- 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



Physical Properties

| Description | Means of Measurement English/Metric | | Value English/Metric | |
|---------------|--|------------------|-------------------------|-----|
| Core Polymer | Polypropylene | | | |
| Thickness | Inches | Mm | 0.25 | 6.0 |
| Total Weight | oz/yd ² | g/m ² | 16.2 | 549 |
| Core Weight | oz/yd ² | g/m ² | 14.0 | 474 |
| Fabric Weight | oz/yd ² | g/m ² | 2.2 | 75 |

Membrane Physical Properties

| Description | Means of Measurement English/Metric | | Value English/Metric | |
|---------------------------------|--|------------------|-------------------------|---------|
| Membrane Polymer | Polypropylene | | | |
| Thickness | Inches | Mm | 0.2 | 0.5 |
| Membrane Weight | oz/yd ² | g/m ² | 2.2 | 75 |
| 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 | 30.5 |
| Area | Square Feet | Square Meters | 400 | 37.16 |
| Roll Diameter | Inches | CM | 22.0 | 55.9 |
| Roll Weight | Pounds | Kg | 45.0 | 20.4 |

Impact Insulation Classification

| Subfloor Type | Ceiling | Floating Floor Type | Floor | IIC Number |
|-------------------|-----------------|---------------------------|-------|------------|
| Concrete | No Ceiling | FIRM-FILL Gypsum Concrete | Vinyl | 54 |
| Concrete | No Ceiling | FIRM-FILL Gypsum Concrete | Wood | 55 |
| Concrete | Ceiling with RC | FIRM-FILL Gypsum Concrete | Vinyl | 64 |
| Concrete | Ceiling with RC | FIRM-FILL Gypsum Concrete | Wood | 68 |
| Wood Truss Joists | Ceiling with RC | FIRM-FILL Gypsum Concrete | Wood | 61 |
| Wood Truss Joists | Ceiling with RC | FIRM-FILL Gypsum Concrete | Vinyl | 56 |

See installation instructions for methods and procedures.

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.



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