

# Resilmat – RMI

Recycled rubber impact sound isolation wall underlayment



## Specifications

A flat, resilient, recycled rubber underlayment to be used directly under most floor and ceiling sills, yielding exceptional results even over concrete and wood joist construction.

### PERFORMANCE ATTRIBUTES

- Fast installation.
- Unlike fiberglass it is not affected by moisture.
- Used for both top and bottom plates.
- Factory slit to width and easily field cut to length with utility knife.
- Also available in custom width rolls and 2mm and 10mm thicknesses.
- Rated light commercial by the Tile Council of North America.
- Can be used for a wide range of loadings (1-50 psi).
- Continuous resilient support of partition.
- Unaffected by water.
- Will not support mold growth.
- Can use mechanical fasteners or adhesives (PSA).
- Passes VOC Washington State IAQ Test (ASTM D5116).
- Can contribute toward earning up to 9 LEED.



### SPECIFICATIONS

| Code     | Mat Height | Mat Width | Mat Length |
|----------|------------|-----------|------------|
| RMI-202R | 2mm        | 2 ¼"      | 75'        |
| RMI-205R | 5mm        | 2 ¼"      | 30'        |
| RMI-210R | 10mm       | 2 ¼"      | 15'        |
| RMI-302R | 2mm        | 3 ¼"      | 75'        |
| RMI-305R | 5mm        | 3 ¼"      | 30'        |
| RMI-310R | 10mm       | 3 ¼"      | 15'        |
| RMI-502R | 2mm        | 5 ¼"      | 75'        |
| RMI-505R | 5mm        | 5 ¼"      | 30'        |
| RMI-510R | 10mm       | 5 ¼"      | 15'        |



### W20R SOUND ISOLATION WASHER

- Sound Isolation Washer
- Diameter: 1 3/8"
- Thickness: ½"



### ACOUSTICS

Acoustic 'flanking' can dramatically reduce the acoustic performance of a wall assembly. Resilmat – RMI is used to help prevent structure borne noise from transmitting through the wall into the areas above and below the partition. It is a permanently resilient gasket that decouples wall assemblies from the building structure to reduce the transfer of sound and vibration. Resilmat – RMI is manufactured with reclaimed rubber and is formulated with high damping acrylic polymers making it a "Green" product for LEED projects. The Resilmat – RMI pad is manufactured to carefully controlled density standards for trusted long term service. Resilmat – RMI can be installed with mechanical fasteners, polyurethane based construction adhesives, or a variety of thin-sets and mortars. W20R isolation washers are also available through Resilmount.



# Resilmount RMI - Specifications cont.

## TECHNICAL DATA

| PROPERTY  | TEST METHOD      | TYPICAL RESULTS               |
|---|------------------|-------------------------------|
| Density   | ASTM D297        | 0.72 g/cm <sup>3</sup> , min. |
| Thickness                                       | ASTM D3676       | 2mm to 10mm                   |
| Tensile Strength                                | ASTM D412, Die C | 80 psi, min.                  |
| Elongation                                      | ASTM D412, Die C | 50%, min.                     |
| Tear Strength                                   | ASTM D624, Die C | 30 ppi, min.                  |
| Compression @ 100 psi recovery                  | ASTM F36         | 20-30%, 85%, min.             |
| Shore A Hardness                                | ASTM D2240       | 40                            |
| Flexibility                                     | ASTM F147        | 1 factor, max.                |
| Compression Set B, 25% Deflection, 158°/22 hrs. | ASTM D395        | 40% max.                      |
| Coefficient of Friction                         | ASTM D1894       | 1.2                           |
| Crack Resistance                                | ANSI 118.12 5.4  | High Performance              |

The values shown represent current production based on standard Resilmat specs and may vary per thickness. This material has a shelf life of 5 years from date of manufacture when protected from environmental extremes. Information contained within this document supersedes all previous versions and is subject to change without notice.

## WARRANTY

This product is covered by a year guarantee. Conditions and limitations of guarantees and warranties are set out in Studco Project Guarantee certificate.

## FURTHER ASSISTANCE

Contact the technical engineering team at Studco Technical Services for assistance with specifications, product selection, acoustic engineering and structural engineering enquiries. Tel: 800.675.8023 or email [sales@resilmount.com](mailto:sales@resilmount.com)

## ACCREDITATION/CERTIFICATION

