

Resilmat - RMI

Sound Isolation Material



APPLICATIONS

Resilmat™ RMI is a soundproofing material used to help prevent structure-borne noise from transmitting through the wall into areas above and below the partition. The W20R is a sound isolation washer used in conjunction with the Resilmat RMI soundproofing material for most floor and ceiling sills.



FEATURES

- Fast installation.
- Unlike fiberglass, it is resistant to moisture and mold growth.
- Used for both top and bottom plates.
- Factory slit to width and easily field cut to length with a utility knife.
- Also available in custom width rolls and 2mm and 10mm thicknesses.
- Rated light commercial by the Tile Council of North America.
- Continuous resilient support of partition.
- Passes VOC Washing State IAG Test (ASTM D5116).
- Can contribute towards earning up to 9 LEED.



DYNAMIC CHARACTERISTICS

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 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 Sound Isolation Washers are also available through Resilmount.



INSTALLATION NOTES

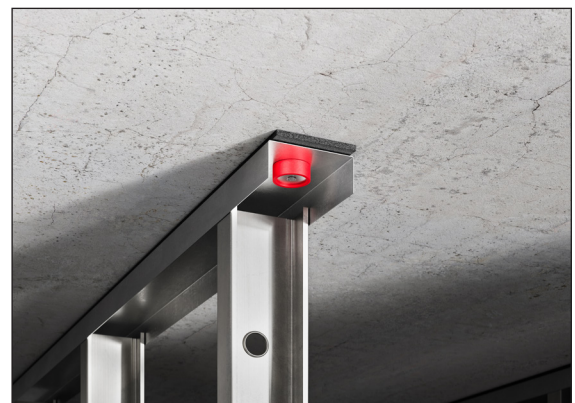
- Can be used for a wide range of loadings (1-50 psi).
- Can use mechanical fasteners or adhesives.



RESILMAT RMI



RESILMAT W20R



RESILMAT STEEL INSTALLATION

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SPECIFICATIONS

Code	Mat Height	Mat Width	Mat Length
RMI-205R	5mm	2 1/4"	30'
RMI-210R	10mm	2 1/4"	15'
RMI-305R	5mm	3 1/4"	30'
RMI-310R	10mm	3 1/4"	15'
RMI-505R	5mm	5 1/4"	30'
RMI-510R	10mm	5 1/4"	15'

Code	Diameter	Thickness
W20R	1 3/8"	1/2"

TECHNICAL DATA

Property	Test Method	Typical Results
Density	ASTM D297	0.72 g/cm3, 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 °/22hrs	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 Resilmount specs and this may vary per thickness. This material has a shelf life of 5 years from the date of manufacture when protected from environmental extremes. Information contained within this document supersedes all previous versions and is subject to change without notice.



RESILMAT WOOD INSTALLATION



ACCREDITATION/CERTIFICATION



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