



# MM<sup>®</sup> Rubber Safety Cover

## Dual Hinged Impact Damping Cover System

### DESCRIPTION

The RSC Series is designed for covering expansion joint openings in high pedestrian and vehicular traffic areas. The RSC can accommodate vertical offsets in opposing concrete decks and multi-directional seismic movement. The heavy-duty aluminum safety cover incorporates two mechanical hinges with integral rubber nosing pads that flex independently in response to changes in vertical displacement. The cover is anchored to the high side thus providing a safe and smooth transition between uneven concrete surfaces.

### BASIC USE

RSC is a pedestrian and traffic bearing expansion joint safety cover for concrete decks that deflect due to vehicular traffic loads in parking garages, plaza decks, stadiums and other structures. The RSC compensates for settlement that has or may occur between concrete decks.

### FEATURES

- For covering expansion joints openings with recessed joint systems or fillers.
- Ideal for high traffic pedestrian areas.
- Rated for low speed vehicular traffic.
- Heavy-duty convex shaped aluminum cover with raised slip-resistant pattern.
- Integral slip-resistant safety strips.
- Provides smooth transition between uneven surfaces.
- Convex aluminum cover accommodates greater vertical offsets.
- Complies with ADA guidelines.

### SPECIAL FEATURES

- Safety Cover with rubber impact damping nosing pads that flex independently.
- Accommodates one-inch vertical offsets.
- Fire Barriers - MM expansion joint systems are available with 2 - 4 hour fire protection ratings.



RSC shown over maximum horizontal vertical offset.

### STORAGE

Rubber Safety Cover should be stored in a clean, dry location prior to use to avoid damage and construction related stains.

### PACKAGING

Rubber Safety Cover is supplied in 10-foot lengths shipped on wooden pallets. Accessories packaged in cardboard cartons.

### PRECAUTIONS

Read and follow labels and Material Safety Data Sheet before use.

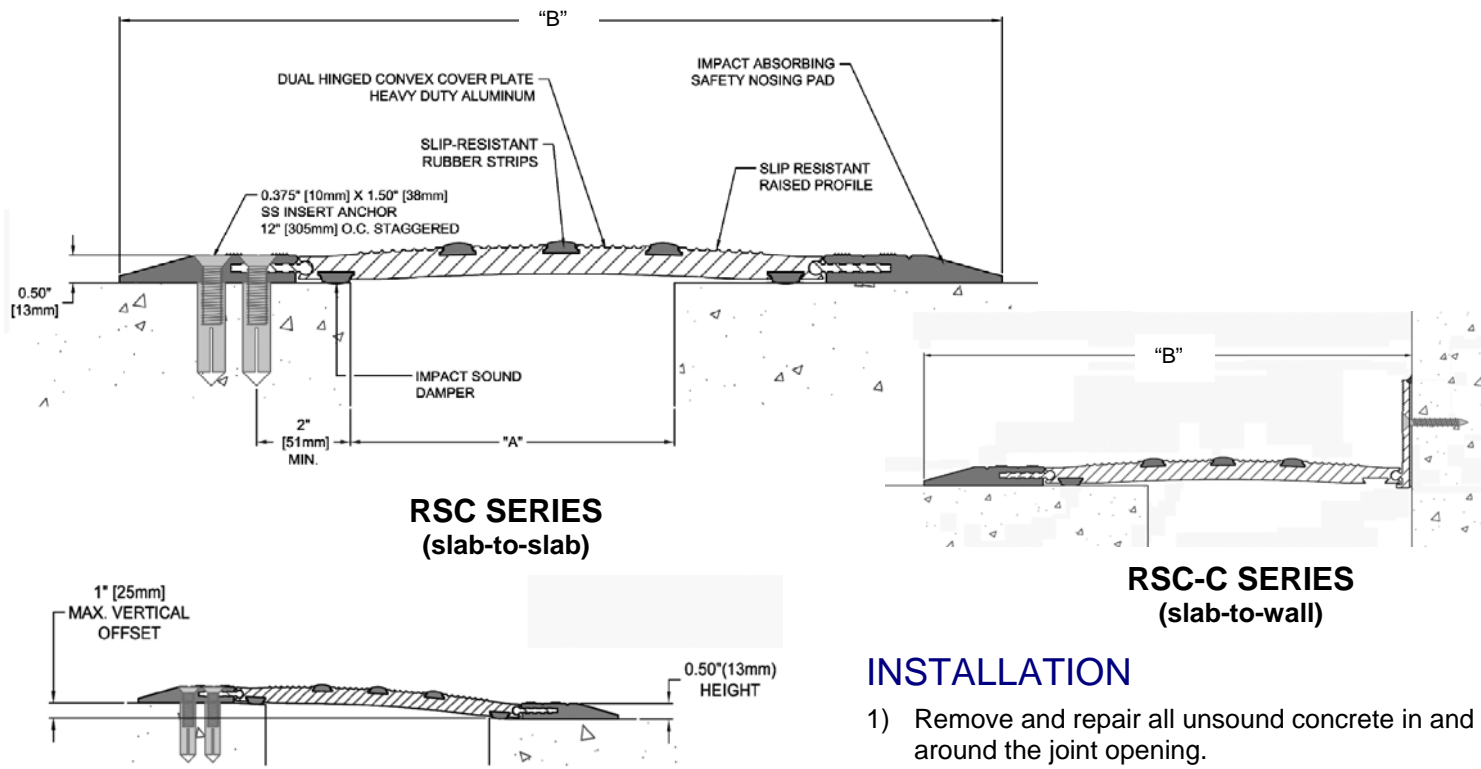
### LIMITATIONS

- Joints located in turning lanes or exposed to heavy traffic must be engineered for greater impact loads. Contact MM Systems for design assistance.
- Not rated for high-speed vehicular traffic.
- Not recommended for areas exposed to snow plows or fork trucks.

# MM<sup>®</sup> RSC Expansion Joint Cover

Model Number	Load Rating	Total Movement	Joint Opening "A"						System Width "B"	
			Thermal Min.		Nominal		Thermal Max.			
RSC-450	Vehicular	<b>4.50</b> 114	<b>0.0</b>	0	<b>2.0</b>	51	<b>4.5</b>	114	<b>13.0</b>	330
RSC-C-450	Vehicular	<b>4.50</b> 114	<b>0.0</b>	0	<b>2.0</b>	51	<b>4.5</b>	114	<b>10.0</b>	254
RSC-850	Vehicular	<b>8.00</b> 203	<b>0.0</b>	0	<b>5.0</b>	127	<b>8.0</b>	203	<b>16.5</b>	419
RSC-850	Pedestrian	<b>8.50</b> 216	<b>0.0</b>	0	<b>5.0</b>	127	<b>8.5</b>	216	<b>16.5</b>	419
RSC-C-850	Pedestrian	<b>8.50</b> 216	<b>0.0</b>	0	<b>5.0</b>	127	<b>8.5</b>	216	<b>13.5</b>	343

Dimension shown in **inches** (bold) and millimeters. RSC-C is not rated for vehicular loads.



**RSC SERIES**  
(slab-to-slab)

**RSC-C SERIES**  
(slab-to-wall)

**"RSC" VERTICAL DISPLACEMENT**

## LIMITED WARRANTY

MM Systems warrants the Rubber Safety Cover System to be free of defects in material and conform to technical data listed. We make no warranty as to color or appearance. Since methods of application can affect performance and on site conditions are beyond our control, MM Systems makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MM Systems sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of system proved to be defective. In no event shall MM Systems be liable for any special, incidental, consequential, loss of profits or punitive damages. Other warranties may be available when installed by a MM Certified Contractor.

## INSTALLATION

- 1) Remove and repair all unsound concrete in and around the joint opening.
- 2) Optional - chamfer the edge of the concrete to facilitate greater vertical displacement.
- 3) Identify high side of opposing concrete decks.
- 4) Position aluminum center plate such that the rubber impact/sound damper is near the edge of the joint opening (fully supported).
- 5) Allow room for RSC cover to expand between columns and walls (1/2-inch per 50 feet).
- 6) Anchor RSC with insert anchors supplied. Stagger anchors between the two "V-groove" anchor indicator slots at 12 inches on center.
- 7) Refer to the RSC Installation Guideline for detailed step-by-step instructions.

MM Systems reserves the right to amend or withdraw information contained herein, without notice, and will not be liable for any inaccuracy or ambiguity of said information.



Current Issue 3-25-10

Spec Data

50 MM Way, Pendergrass, GA 30567 • 706.824.7500 • www.mmsystemscorp.com