



MM[®] SCG Series Expansion Joint

Split Slab Covered Gutter Membrane System

SPECCATA
 MM Systems Corp. • 50 MM Way, Pendergrass, GA 30567 • 866.506.6929 • www.mmsystemscorp.com

DESCRIPTION

The Split Slab Covered Gutter Membrane System is a high performance seismic expansion joint sealing system for split slab applications with and integral cover plate. A heavy-duty aluminum frame with a continuous locking EPDM rubber gutter ties directly into the deck waterproofing. The integral slide plate cover attaches directly to systems frame not to deck or pavers.

BASIC USE

SCG Series is a watertight membrane sealing system designed for wide seismic expansion joints in plaza decks, parking structures, and other split slab structures exposed to extreme weather conditions.

FEATURES

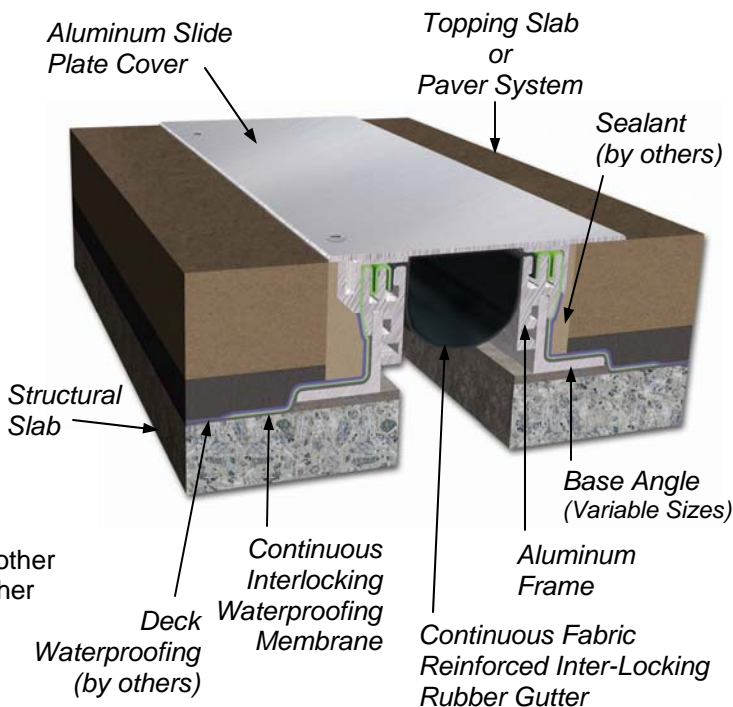
- Continuous EPDM Rubber Gutter ties directly into primary deck waterproofing.
- Heavy-duty aluminum frame with protective interlocking stainless steel retaining cap.
- Leg height adjusts to accommodate pavers, topping slabs and other surfaces.
- Capable of thermal, seismic, vertical and lateral shear movement.
- ADA compliant slide cover provides pedestrian friendly walking surface.
- Factory pre-fabricated rubber drain tube assemblies are available.
- May be available with 5-year warranty through Certified Contractor Network.

SPECIAL FEATURES

- Integral Slide Cover attaches directly to systems frame not to deck or pavers.
- Compatible with most waterproofing deck membranes.
- Contact MM for custom slide plate and cover plate details.
- Fire Barriers - MM[®] expansion joint systems are available with 2 - 4 hour fire protection ratings.

LIMITATIONS

- Concrete must be properly formed, finished and have sound substrate.



PACKAGING

Aluminum base frames and slide covers supplied in 10-foot lengths shipped on wooden pallets.

Steel Base Angles supplied in 10-foot lengths shipped on wooden pallets.

Hardware and other accessories packaged in cardboard cartons.

EPDM rubber gutter is supplied in longest possible lengths shipped on pallets or spools.

STORAGE

All materials should be stored in a cool, dry location 60-80°F (15-27°C) prior to use.

COLOR OPTIONS

SCG Rubber Gutter Membrane available in UV stable Black.

PRECAUTIONS

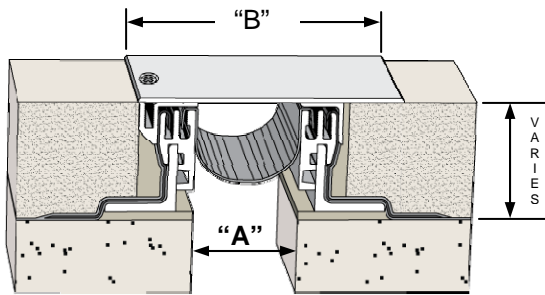
Use protective goggles and gloves. Read and follow labels and Material Safety Data Sheet before use.

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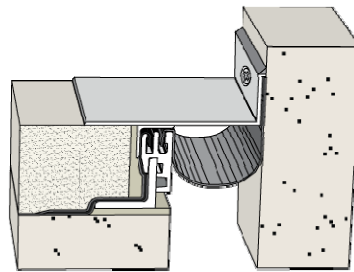
SELECTION GUIDE

Model Number	Total Movement	Joint Opening "A"				Slide Plate "B"
		Thermal Minimum	Nominal	Seismic Maximum		
SCG-200	3.75 95	.250 6	2.50 64	4.00 102	6.00 152	
SCG-400	5.75 146	.250 6	3.50 89	6.00 152	8.00 203	
SCG-600	8.75 222	.250 6	4.50 114	9.00 229	11.0 279	
SCG-800	11.75 298	.250 6	5.50 140	12.0 305	14.0 356	
SCG-1000	14.75 375	.250 6	4.50 114	15.0 381	17.0 432	
SCG-1200	17.75 451	.250 6	4.50 114	18.0 457	20.0 508	

Dimensions are in **inches** (bold) and millimeters.
See web site for SCG-C Slab-to-Wall Movement Table.



Model SCG



Model SCG-C

LIMITED WARRANTY

MM Systems warrants the Split Slab Covered Gutter 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.

PHYSICAL PROPERTIES

Physical Property	Test Method	Value
EPDM RUBBER		
Tensile Strength	ASTM D412	1000 psi
Fabric Reinforcement	4 Ounce Polyester Cloth	
Elongation	ASTM D412	250%
Temperature Range		-30F to +200F
Tear Strength, Die C	ASTM D624	150 pli
Hardness Shore A	ASTM D2240	70 +/-5
Ozone Resistance	ASTM D1149	No Cracks
UV Resistance	ASTM D695	Very Good

NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate values while actual field results may vary.

INSTALLATION

- 1) Remove and repair all unsound concrete in and around the joint opening. All spalls must be repaired with compatible patching material.
- 2) Uncoil EPDM Gutter and allow it to relax in the sun for as long as possible before installation.
- 3) Pre-attach aluminum frame to base angle.
- 4) Install anchors using base angle as a spacing and location template.
- 5) Located and install optional drain tube assemblies.
- 6) Adjust overall system height – utilize structural repair mortar leveling bed as necessary to correct elevation.
- 7) Insert membrane seal into aluminum frame after SCG waterproofing membrane is spliced and sealed into the waterproofing deck membrane.
- 8) Install retaining cap and Slide Cover over rubber gutter.
- 9) Seal edge along stainless steel retaining caps with polyurethane or silicone sealant.
- 10) Install in accordance with detailed installation guide.

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.

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