



MM[®] ColorJoint / SCE-V Series

Silicone Covered Ethylene Vertical Foam Expansion Joint

DESCRIPTION

The SCE-V Series is designed for vertical expansion joint openings in interior or exterior applications. Two waterproofing technologies are combined into a dual sealing system. A primary silicone surface seal is factory applied to a secondary closed-cell copolymer ethylene vinyl acetate foam rubber seal. The foam seal facilitates superior heat welded transitions thereby providing additional waterproofing protection throughout expansion and contraction cycles.

BASIC USE

ColorJoint SCE-V is designed for sealing vertical expansion joints that measure 1" (25mm) or larger in a wide variety of architectural applications – brick, block, concrete, window-walls, metal panels and the like.

FEATURES

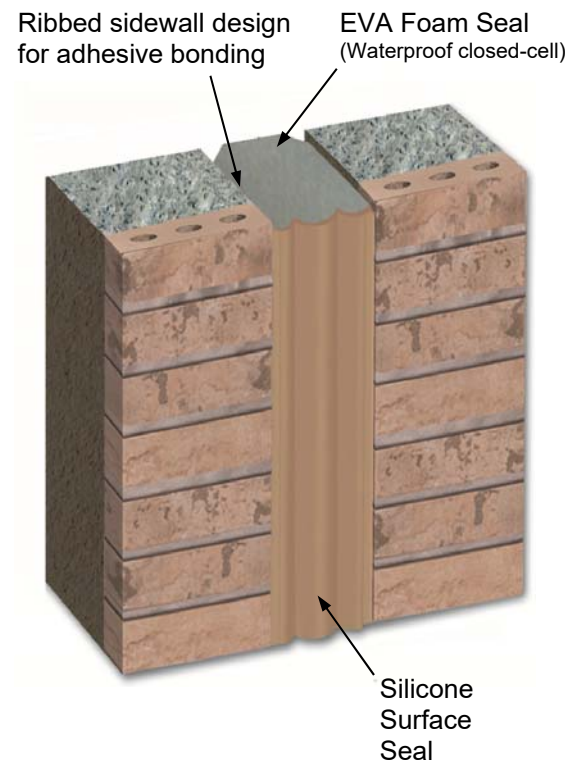
- Vertical sealing system not requiring blockouts.
- Capable of +/-25% thermal movement.
- Designed to accommodate complex miters and changes in direction with heat weldable transitions.
- Waterproof closed-cell ethylene vinyl acetate foam back seal provides constant sidewall pressure.
- Silicone surface seal available in a wide range of colors that provides superior weather resistance.
- Provides vapor, dust, acoustical, air and sound-damping control
- Resistant to UV, ozone, acid rain, most chemicals and extreme temperatures.
- Meets all applicable standards for compressible sealants.

SPECIAL FEATURES

- Does not rely on the silicone surface seal to provide a watertight seal.
- Difficult transition splicing simplified through heat welded or adhesive bonded seams.
- Fire Barriers - MM expansion joint systems are available with 2 to 4 hour fire protection ratings.

LIMITATIONS

- Joint opening substrate must be sound, dry, and free of any laitance, curing agents or foreign matter.



PACKAGING

ColorJoint SCE-V Series Expansion Joint is supplied in 7.5-foot (2.3 meter) lengths.

Silicone Sealant is packaged in 20 fl.oz. (592 ml) sausages or 10.3 fl.oz. (305-ml) cartridges.

STORAGE

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

COLOR OPTIONS

See Page 2 to select from available standard colors or select custom color matching.

PRECAUTIONS



Use with adequate ventilation. Uncured sealant may cause skin and eye irritation. In case of eye contact, immediately flush with water. Avoid prolonged or repeated skin contact. Read and follow labels and Material Safety Data Sheet before use.

MM[®] ColorJoint/SCE-V Color Chart

PECORA[®] 890NST SILICONE COLORS

			
Tru-White	Precast	Beige	Limestone
			
Anodized Aluminum	Aluminum Stone	Natural Stone	Sandstone
			
Charcoal Grey	Classic Bronze	Hartford Green	Red Rock
			
			Black

DOW CORNING[®] 790 SILICONE COLORS

			
Precast White	Limestone	Gray	Black
			
Bronze	Sandstone	Adobe Tan	Dusty Rose
			
Rustic Brick	Blue Spruce	Charcoal	Natural Stone

SILICONE COLORS

ColorJoint/SCE-V colors are manufactured with either Pecora 890NST or Dow Corning 790 silicone sealant that resists deterioration due to:

- Ultra Violet Rays
- Ozone
- Acid Rain
- Extreme Temperatures

STANDARD COLORS

ColorJoint/SCE-V standard color compounds are stocked and ready for manufacturing and delivery within two weeks of order placement. Lead times may vary – contact MM for promise dates.

CUSTOM COLORS

ColorJoint/SCE-V custom color compounds require additional manufacturing lead-time. Contact MM for availability and quantity minimums. Lead times may vary – contact MM for promise dates.

COLOR MATCHING

Color Matching is available with certain restrictions. Minimum quantities may be required. Contact MM Systems for additional information.

COLOR CHART

Color samples are as close as possible but actual product may vary slightly. For best results, submit color samples or swatches to our lab for color testing and matching.



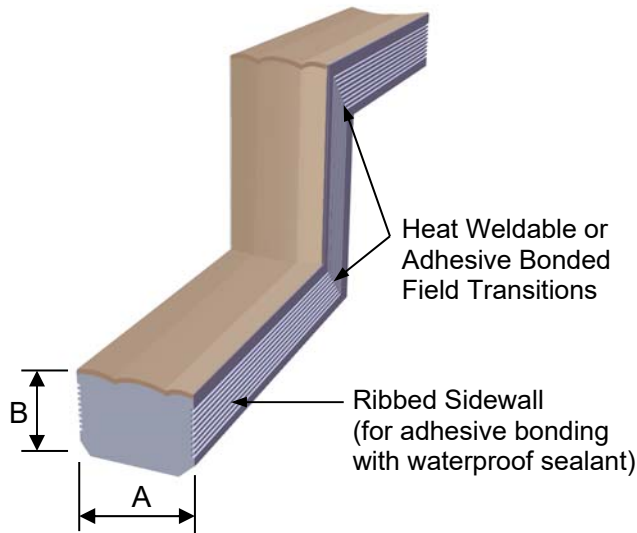
Spec Data

MM ColorJoint / SCE-V Series Expansion Joint

SELECTION GUIDE

Model Number	Total Movement		Joint Opening "A"						Installation Width				Seal Depth "B"	
			Minimum	Nominal	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum			
SCE-V-100	0.85	22	0.40	10	1.00	25	1.250	32	1.00	25	1.250	32	1.50	38
SCE-V-150	1.28	32	0.60	15	1.50	38	1.875	48	1.50	38	1.875	48	1.50	38
SCE-V-200	1.70	43	0.80	20	2.00	51	2.500	64	2.00	51	2.500	64	3.00	76
SCE-V-250	2.13	54	1.00	25	2.50	64	3.125	79	2.50	64	3.125	79	3.00	76
SCE-V-300	2.55	65	1.20	30	3.00	76	3.750	95	3.00	76	3.750	95	3.00	76
SCE-V-350	2.98	76	1.40	36	3.50	89	4.375	111	3.50	89	4.375	111	3.00	76
SCE-V-400	3.40	86	1.60	41	4.00	102	5.000	127	4.00	102	5.000	127	3.00	76
SCE-V-450	3.83	97	1.80	46	4.50	114	5.625	143	4.50	114	5.625	143	3.00	76
SCE-V-500	4.25	108	2.00	51	5.00	127	6.250	159	5.00	127	6.250	159	3.00	76
SCE-V-550	4.68	119	2.20	56	5.50	140	6.875	175	5.50	140	6.875	175	3.00	76
SCE-V-600	5.10	130	2.40	61	6.00	152	7.500	191	6.00	152	7.500	191	3.00	76

Dimensions are in **inches** (bold) and millimeters. Depth "B" is at full compression.
Additional sizes available. See SCE-H Series for horizontal applications.



PHYSICAL PROPERTIES

Physical Property	Test Method	Typical Value
EVA Copolymer Rubber		
Tensile strength	ASTM D3575	115 psi +/-25%
Ultimate elongation	ASTM D3575	255% +/-25%
Tear Resistance	ASTM D624	20 lbs./in. +/-20%
Water Absorption (by weight)	ASTM D3575	<.02 lbs./ft ²
Density Average	ASTM D3575	2.7-3.2 lbs./cu.ft.

Listed properties are approximate values - actual field results may vary.

LIMITED WARRANTY

MM Systems warrants the SCE-V Series Expansion Joint System to be free of defects in material and conform to technical data listed. 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 substrates. Joint opening sidewall interface areas must be clean and dry prior to installation.
- 2) Remove any curing agents, laitance or foreign matter by abrasive blasting.
- 3) Joint opening must be blown with compressed air immediately prior to seal installation.
- 4) Lay out the SCE-V next to the joint opening to check for appropriate length and width. SCE-V is supplied non-compressed to a size larger than the intended opening.
- 5) Install the seal by pushing it down into the joint opening.
- 6) Inject Flexible Seal sealant between the seal and joint opening sidewall interface to adhere the seal.
- 7) If necessary due to wall surface irregularities, apply a fillet bead of silicone sealant on each side of silicone bellows surface seal with manufacturer's silicone.
- 8) Position seal according to dimensional guidelines.
- 9) Refer to SCE-V Installation Guide 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.

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50 MM Way, Pendergrass, GA 30567 • 800.241.3460 • www.mm-usa.com

Spec Data