









Construction Specialties, Inc. holds a patent(s) on one or more of the products listed herein. For detailed patent information, see www.c-sgroup.com/patents.

One of the largest base isolated hospitals constructed in the United States—able to glide 30 inches in every direction during a seismic event



Project: Zuckerberg San Francisco General Hospital and Trauma Center Architect: Fong & Chan Architects Products: MACC Multi-Axial Corridor Cover System, MARC Roof Covers, SSRW Seismic Moat Covers, XLSC Exterior Wall Covers

The Zuckerberg San Francisco General Hospital and Trauma Center serves more than 100,000 patients annually. Located on the San Andreas fault line, California building code mandates strict seismic standards for new construction. Collaboration with CS made it possible for "The General" to be able to glide 30 inches in every direction during a seismic event. CS' Multi-Axial Corridor Cover (MACC) system seamlessly connects the new hospital tower to the existing structure while the exterior moat covers visually unite the landscape and sidewalk with the structure.



From the initial concept sketch only CS can design and test a custom cover to meet your project's requirements.





CS has been helping architects solve complex building movement problems for over 45 years. We understand that every project has its own special movement criteria, and that one of our standard designs may not be right for your project. We have a team of technical experts that can work with you to design a custom cover that meets your project's specific requirements. We can show you in person how your expansion joint cover will function and operate under real-life conditions with our exclusive full-scale test chamber, which has evaluated some of the industry's largest joint covers.



Project: California Memorial Stadium **Architect:** HNTB Architects & STUDIOS Architecture **Product:** Customized Seismic Stair System

Located directly over the Hayward Fault, California Memorial Stadium was the first facility to require 12" expansion, compression and lateral movement. In less than 21 months, we designed, tested and fabricated the custom joint cover assemblies for six seismic joint openings around the stadium bowl. These custom stair risers and treads throughout the stadium help reduce seismic risk and ensure life safety in a major seismic event.



THE CS DIFFERENCE

We pride ourselves on delivering the highest quality products.

Our exclusive edge protection eliminates chipping and cracking of pavers.

The modular pan's design eliminates deflection and cracking.

Exclusive Delrin[®] bearing allows cover to move smoothly and prevents binding, unlike covers using metal-to-metal components.

The cover's modular pan accepts matching floor finishes, making it virtually invisible in interior and exterior applications.

We offer the industry's largest joint cover widths.

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The gravity-activated turnbar returns the cover smoothly to its normal position after an event.

Choose the right cover. Choose CS.



LAF INTERIOR WALL COVER

Multi-directional seismic forces can create havoc with conventional turnbars, especially in wall covers. This wall cover system was designed to disengage during a seismic event, but remain tethered to prevent falling, while protecting the surrounding finishes from damage.



XLS EXTERIOR WALL COVER

Designed to conceal large seismic joints, the key to this exclusive cover features an innovative gravity closing system that automatically resets the cover after a seismic event. The cover can receive a wide variety of cladding systems including metal, glass and stone.









CS EXPANSION JOINT COVERS

Solving complex movement problems for over 45 years









Adobe Utah Campus Architect: WRNS Studio



Selection Chart

Use the selection chart below as a guide on choosing the right expansion joint cover for your next project. Each cover type on the chart includes valuable information such as joint size ranges, finishes that can be applied and corresponding page numbers for more detailed information. If you have questions or have a unique situation, we would love to help. Contact your local representative or call us at 800.233.8493.

Cover Type	Appearance	Joint Size	Description	Finishes	Designed For	Total Movement	Page #
	FLOOR COVERS						
Flush Thinline Gasketed		1" and 2"	Minimum exposed surface, sealed dual durometer gasket installation	Carpet, vinyl, ceramic tile, terrazzo, stone	Hygienic, wheeled equipment	50% of joint width	14-15
Flush Twinline Dual Gasketed		2" to 4"	Minimum exposed surface, sealed dual durometer gasket installation, larger movement	Carpet, vinyl	Hygienic, wheeled equipment	100% of joint width	16-17
Flush Seismic, Seismic Pan		2" and up	Minimum exposed surface, optional sealed gasket installation, seismic movement	Carpet, vinyl, terrazzo, stone	Hygienic, wheeled equipment, deep floor finish materials, also exterior	100-200% of joint width	18-21
Restofit™		1" to 4"	Designed for quick and easy installation in both new and retrofit applications	Carpet, vinyl, ceramic tile, terrazzo, stone	Commercial and healthcare interiors	100% of joint width	22-23
Standard Allway™ Metal		1" to 4"	Robust applications, low maintenance	Concrete, carpet, vinyl	Industrial, heavy wheeled equipment	100-200% of joint width	24-25
Seismic Allway Metal		4" and up	Robust applications, low maintenance, seismic movement	Concrete, pavers, carpet, vinyl, ceramic tile	Industrial, heavy wheeled equipment, also exterior	100-200% of joint width	26-27
Seismic Corridor Cover		Contact Factory	Corridors in base isolated structures with multi-directional movement	Carpet, vinyl	Commercial and healthcare interiors	100-200% of joint width	28-29

All CS Expansion Joint Covers, Seals and Processes are ISO 9001: 2000 compliant. All CS Expansion Joint Covers feature a 5-year limited warranty. Select expansion joint covers are now available for purchase online. Go to www.c-sgroup.com/buyejc.

Match Wall/O	ning Ceiling	Fire Barriers	Cost Index
Pages 30-31		Reflex® Page 45	65
Pages 32-33		Reflex or Multiflex® Page 45	105
Pages 32-33		Multiflex or FB-97 Page 45	125
Contae Factor		FB-97 or Reflex Page 45	95
Pages 34-35		Reflex Page 45	100
Pages 34-35		Multiflex Page 45	N/A
N/A		Contact Factory	N/A

Selection Chart

Use the selection chart below as a guide on choosing the right expansion joint cover for your next project. Each cover type on the chart includes valuable information such as joint size ranges, finishes that can be applied and corresponding page numbers for more detailed information. If you have questions or have a unique situation, we would love to help. Contact your local representative or call us at 800.233.8493.

Cover Type	Appearance	Joint Size	Description	Finishes	Designed For	Total Movement	Page #	Matching Floor	Fire Barriers	Cost Index
	WALL & CEILING COV	ERS								
Flush Thinline Gasketed		1" to 10"	Minimum exposed surface, sealed gasket installation	Drywall, ceramic tile	Hygienic, matches Thinline floor covers	50-200% of joint width	30-31	14-15	Reflex® or Multiflex® Page 45	55
Flush Twinline Dual Gasketed		2" and up	Minimum exposed surface, sealed gasket installation, larger movement	Drywall, ceramic tile	Hygienic, matches Twinline floor covers	100-200% of joint width	32-33	16-17	Reflex or Multiflex Page 45	180
Seismic Flush Twinline		4" and up	Minimum exposed surface, optional sealed gasket installation, seismic movement	Drywall, ceramic tile	All commercial and healthcare interiors	100-200% of joint width	32-33	18-21	Multiflex or FB-97 Page 45	Ν/Α
Allway™ Metal		1" to 4"	Robust applications, low maintenance, full movement range	All finishes	Industrial, matches Allway floor covers	100-200% of joint width	34-35	24-25	Reflex or Multiflex Page 45	100
	EXTERIOR COVERS									
Exterior Wall		2" and up	Minimum exposed surface, sealed gasket installation, full movement range	All finishes	All exteriors, colorable	100-200% of joint width	36-37	N/A	Contact Factory	150
Seismic Exterior Wall	Min My	8" and up	Customizable for larger sized joints, multi-directional movement	All finishes	All exteriors	100-200% of joint width	38-39	N/A	Contact Factory	N/A
Roof	/ Una	2" and up	Formed aluminum and EPDM bellows options, full movement range	All roof finishes	All roofs	100-200% of joint width	40-41	N/A	Contact Factory	N/A
Parking & Stadiums		1" to 16"	Exterior, waterproof applications, full movement range	Concrete, paver	Vehicular traffic, stadium seating bowls and concourse	50-200% of joint width	42-43	N/A	Contact Factory	N/A

All CS Expansion Joint Covers, Seals and Processes are ISO 9001: 2000 compliant. All CS Expansion Joint Covers feature a 5-year limited warranty. Select expansion joint covers are now available for purchase online. Go to www.c-sgroup.com/buyejc.

Flush Thinline Floor Covers 1"-2"

These flush gasketed covers are used for small interior joints where minimal visual impact is preferred. They are perfect for wheeled equipment and are ADA-compliant.







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GFST





— JW —

Gaskets are available in four standard colors. We also offer custom colors to match a floor finishe

MODEL DATA

FLOOR TO FLOOR COVE	RS							
JOINT WIDTH	1"	2"	1"	2"	1"	2"	1"	2"
MINIMUM OPENING	0.75"	1.50"	0.75"	1.50"	0.75"	1.50"	0.75"	1.50"
MAXIMUM OPENING	1.25"	2.50"	1.25"	2.50"	1.25"	2.50"	1.25"	2.50"
EXPOSED SURFACE	1.25"	1.88"	1.18"	1.88"	4.31"	5.13"	4.31"	5.13"
SPECIFY MODEL	GFT 100	GFT 200	GFPS 100	GFPS 200	GFS 100	GFS 200	GFST 100	GFST 200
FLOOR TO WALL COVER	5							
JOINT WIDTH	1"	2"	1"	2"	1"	2"	1"	2"
MINIMUM OPENING	0.75"	1.50"	0.75"	1.50"	0.75"	1.50"	0.75"	1.50"
MAXIMUM OPENING	1.25"	2.50"	1.25"	2.50"	1.25"	2.50"	1.25"	2.50"
EXPOSED SURFACE	1.13"	1.93"	1.09"	1.94"	2.69"	3.56"	2.66"	3.56"

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For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

GASKET COLORS



Note: Custom colors are available. Call 800.233.8493.



Dual Durometer Harder material for stronger, more secure attachment to aluminum extrusions

· Softer material used to allow for thermal movement

Our flush Thinline seals are offered in multiple frame depths from 1"-3".

Our flush gaskets are sm ooth, strong and hygienic.



Flush Twinline Floor Covers 2"-4"

Dual gasketed flush covers offer added thermal movement for joints larger than 2" yet maintain a flush profile.



GTRD





GTP





MODEL DATA

FLOOR TO FLOOR COVE	RS								
JOINT WIDTH	2"	3"	4"	2"	3"	4"	2"	3"	4"
MINIMUM OPENING	1.25"	1.25"	2.25"	1.25"	1.25"	1.25"	1.25"	1.25"	1.25"
MAXIMUM OPENING	3.75"	6.00"	6.25"	3.75"	6.00"	6.25"	3.75"	6.00"	6.25"
EXPOSED SURFACE	6.50"	10.00"	11.00"	6.50"	10.00"	11.00"	6.50"	10.00"	11.00"
SPECIFY MODEL	GTR 200	GTR 300	GTR 400	DGTR 200	DGTR 300	DGTR 400	GTP 200	GTP 300	GTP 400
FLOOR TO WALL COVERS	5								
JOINT WIDTH	2"	3"	4"	2"	3"	4"	2"	3"	4"
JOINT WIDTH MINIMUM OPENING	2" 1.00"	3" 1.50"	4" 2.50"	2" 1.00"	3" 1.50"	4" 2.50"	2" 1.00"	3" 1.50"	4" 2.50"
MINIMUM OPENING	1.00"	1.50"	2.50"	1.00"	1.50"	2.50"	1.00"	1.50"	2.50"

GTRD and GTR have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

GASKET COLORS



Note: Custom colors are available. Call 800.233.8493.

Flush design eliminates tripping hazards and offers a smooth transition for e helee

ICAL!

Recessed cover plate accepts 1/8" or 3/8" carpet and tile to conceal the cover in the surrounding floor.



Gaskets are available in four standard colors. We offer custom colors to match surrounding floor finishes.

Flush Seismic Floor Covers 5" and Up

Flush seismic covers are designed to perform during seismic movement and provide a smooth transition for joints larger than 5".



Plate deflectors disengage

gaskets during seismic activity

to provide additional movement

MODEL DATA

FLOOR TO FLOOR COVE	RS											
JOINT WIDTH	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"
MINIMUM OPENING	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"
MAXIMUM OPENING	9.25"	9.25"	12.25"	13.25"	14.13"	16.25"	18.13"	18.38"	21.25"	22.25"	22.75"	25.25"
EXPOSED SURFACE	12.00"	13.00"	15.00"	16.00"	18.00"	19.00"	21.00"	22.00"	24.00"	25.00"	27.00"	28.00"
SPECIFY MODEL	SGR 500	SGR 600	SGR 700	SGR 800	SGR 900	SGR 1000	SGR 1100	SGR 1200	SGR 1300	SGR 1400	SGR 1500	SGR 1600
FLOOR TO WALL COVER	s											
JOINT WIDTH	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"
MINIMUM OPENING	3.56"	4.06"	4.94"	5.44"	5.94"	6.44"	6.94"	7.44"	7.94"	8.44"	8.94"	9.44"
MAXIMUM OPENING	6.56"	7.75"	9.69"	10.63"	11.56"	13.13"	14.63"	15.25"	17.13"	18.13"	18.75"	20.63"
EXPOSED SURFACE	8.50"	9.50"	11.00"	12.00"	13.50"	14.50"	16.00"	17.00"	18.50"	19.50"	21.00"	20.00"
SPECIFY MODEL	SGRW 500	SGRW 600	SGRW 700	SGRW 800	SGRW 900	SGRW 1000	SGRW 1100	SGRW 1200	SGRW 1300	SGRW 1400	SGRW 1500	SGRW 1600

SGR and SGP have the same model data. SGRW and SGPW have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

GASKET COLORS



Note: Custom colors are available. Call 800.233.8493.



SGP





SGPW



Perfect for applications using carpet or vinyl floor covering up to 1/8"

VITT

5" to 16" joint covers can accommodate large seismic joints.

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Pan Seismic Floor Covers 2" and Up

Virtually invisible seismic floor covers are used for interior and exterior applications. Designed to accept a variety of floor finishes, they handle multi-directional movement.





SSR-500+



SSRH 200-400

MODEL DATA

FLOOR TO FLOOR COVER	s							
JOINT WIDTH	2"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	0.75"	1.50"	2.56"	4.00"	4.00"	4.00"	4.00"	4.00"
MAXIMUM OPENING	6.90"	8.50"	10.38"	13.13"	16.00"	18.88"	21.75"	24.75
EXPOSED SURFACE	13.69"	13.69"	17.75"	20.75"	23.75"	26.75"	29.75"	32.75"
SPECIFY MODEL	SSR 200	SSR 400	SSR 600	SSR 800	SSR 1000	SSR 1200	SSR 1400	SSR 1600
FLOOR TO WALL COVERS								
JOINT WIDTH	2"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	1.00"	1.75"	1.06"	1.06"	1.06"	1.06"	1.06"	1.06"
MAXIMUM OPENING	4.00"	6.00"	10.00"	13.00"	16.00"	19.00"	22.00"	25.00"
EXPOSED SURFACE	7.88"	8.88"	13.69"	16.69"	19.69"	22.69"	25.69"	28.69"
SPECIFY MODEL	SSRW 200	SSRW 400	SSRW 600	SSRW 800	SSRW 1000	SSRW 1200	SSRW 1400	SSRW 1600

SSRH and SSRW have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

2-1/2"

Construction Specialties, Inc. holds a patent(s) on one or more of the products listed herein. For detailed patent information, see www.c-sgroup.com/patents.

Gravity-activated turnba raises and lowers cover during seismic activity.

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Pan can accept a variety of nterior and exterior finish

Restofit[™] Joint Systems

Restofit is designed for quick and easy installation in both new and retrofit applications and requires little maintenance. Models are suitable for a variety of floor finishes and provide minimal visual impact.



RFA — JW —

RFC





RFD



MODEL DATA

FLOOR TO FLOOR CO	VERS																
JOINT WIDTH	2"	3"	4"	2"	3"	4"	2"	3"	4"	1"	2"	3"	4"	5"	6"	7"	8"
MINIMUM OPENING	1.75"	2.63"	3.38"	1.25"	1.25"	1.25"	1.25"	1.25"	1.25"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"
MAXIMUM OPENING	2.25"	3.38"	4.63"	4.00"	6.00"	7.00"	4.00"	6.00"	7.00"	2.00"	4.00"	6.00"	6.50"	8.00"	8.00"	11.00"	11.00"
EXPOSED SURFACE	8.25"	9.25"	10.25"	6.00"	7.00"	8.00"	5.75"	6.75"	7.75"	9.38"	9.38"	11.38"	11.38"	15.38"	15.38"	18.38"	18.38"
SPECIFY MODEL	RFA 200	RFA 300	RFA 400	RFB 200	RFB 300	RFB 400	RFC 200	RFC 300	RFC 400	RFD 100	RFD 200	RFD 300	RFD 400	RFD 500	RFD 600	RFD 700	RFD 800
FLOOR TO WALL COV	ERS																
JOINT WIDTH	2"	3"	4"	2"	3"	4"	2"	3"	4"	1"	2"	3"	4"	5"	6"	7"	8"
JOINT WIDTH MINIMUM OPENING	2" 1.75"	3" 2.63"	4" 3.38"	2 " 0.38"	3" 0.38"	4" 0.38"	2" 0.38"	3" 0.38"	4" 0.38"	1" 0.75"	2" 0.75"	3" 0.75"	4" 0.75"	5" 0.75"	6" 0.75"	7" 0.75"	8" 0.75"
		-					-		-								-
MINIMUM OPENING	1.75"	2.63"	3.38"	0.38"	0.38"	0.38"	0.38"	0.38"	0.38"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"	0.75"

For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

distortion and wear

Surface mounte minum cover

Standard Allway[™] Metal Floor Covers 1"- 4"

Designed to hold up in applications with high traffic, our Allway covers work with most floor finishes and require little maintenance.



A variety of frame heights are available for different floor finishes.



ALS



PC



ALR



MODEL DATA

FLOOR TO FLOOR COVER	S			
JOINT WIDTH	1"	2"	3"	4"
MINIMUM OPENING	0.75"	1.63"	2.50"	3.25"
MAXIMUM OPENING	1.25"	2.38"	3.50"	4.75"
EXPOSED SURFACE	1.70"	3.30"	4.37"	5.28"
SPECIFY MODEL	APF 100	APF 200	APF 300	APF 400
FLOOR TO WALL COVERS	i			
JOINT WIDTH	1"	2"	3"	4"
MINIMUM OPENING	0.75"	1.63"	2.50"	3.25"
MAXIMUM OPENING	1.25"	2.38"	3.50"	4.75"
EXPOSED SURFACE	1.70"	3.30"	4.37"	5.28"
SPECIFY MODEL	APFW 100	APFW 200	APFW 300	APFW 400

For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

Heavy duty cover is perfect for heavy point loads.

> Free-floating aluminum center slides between cover frames to provide movement.

2"	4"	2"	4"	2"	4"
0.00"	0.88"	0.00"	0.88"	0.00"	0.00"
4.00"	7.00"	4.00"	7.00"	3.75"	6.75"
3.65"	6.44"	7.75"	11.75"	5.25"	8.25"
ALR 200	ALR 400	ALS 200	ALS 400	PC 200	PC 400
2"	4"	2"	4"	2"	4"
1.00"	2.44"	1.00"	2.44"	0.00"	0.00"
3.00"	5.50"	3.00"	5.50"	3.75"	6.75"
2.81"	5.19"	4.88"	7.88"	3.75"	6.75"
ALRW 200	ALRW 400	ALSW 200	ALSW 400	PCW 200	PCW 400





SJPFM





SJHD Heavy Duty 2,000 lb. Point Load

Seismic Allway[™] Metal Floor Covers 4" and Up

Interior and exterior seismic metal covers are designed to provide

multi-directional movement while remaining flush during thermal

movement. A heavy-duty model is available for heavy point loads.



MODEL DATA

FLOOR TO FLOOR CO	VERS													
JOINT WIDTH	4"	6"	8"	2"	4"	6"	2"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	2.75"	2.75"	2.75"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"
MAXIMUM OPENING	6.36"	9.25"	13.50"	4.00"	6.50"	9.88"	4.50"	7.50"	11.13"	14.25"	16.75"	21.00"	23.75"	24.25"
EXPOSED SURFACE	8.75"	11.75"	14.75"	5.50"	8.00"	11.50"	4.50"	7.50"	11.88"	15.00"	18.00"	21.00"	24.00"	27.00"
SPECIFY MODEL	SJ400HD	SJ600HD	SJ800HD	SJPF 200	SJPF 400	SJPF 600	SJP 200	SJP 400	SJP 600	SJP 800	SJP 1000	SJP 1200	SJP 1400	SJP 1600
FLOOR TO WALL COV	'ERS													
JOINT WIDTH	4"	6"	8"	2"	4"	6"	2"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	1.00"	1.00"	5.38"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	4.50"	5.50"	6.50"	7.50"	8.50"
MAXIMUM OPENING	6.32"	8.82"	11.04"	3.00"	5.25"	7.94"	3.25"	5.75"	8.50"	10.00"	13.31"	16.50"	18.75"	20.00"
EXPOSED SURFACE	6.38"	8.88"	11.38"	3.75"	6.00"	8.75"	3.25"	5.75"	8.94"	11.50"	14.00"	16.50"	19.00"	21.50"
SPECIFY MODEL	SJW400HD	SJW600HD	SJW800HD	SJPFW 200	SJPFW 400	SJPFW 600	SJPW 200	SJPW 400	SJPW 600	SJPW 800	SJPW 1000	SJPW 1200	SJPW 1400	SJPW 1600

SJPFM and SJPFW have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc

Plate is available in a variety of finishes. 74





Seismic Corridor Covers for Base Isolated Structures

Because base isolated structures are free to move in any direction, they create distinct challenges for the design of the seismic joint covers. Our solution is an integrated assembly where floor, wall and ceiling covers are connected and move in unison. The MACC System, or cab assembly, provides multi-directional movement of up to 100% in four directions. The floor cover may be used independently of the wall and ceiling covers for lineal applications where lateral shear is a problem. (Specify model XYZ.)

COVER DETAILS

Unique honeycomb structure supports the plate throughout movement cycle.

Product also available as a conventional lineal cover, model XYZ.



Typical Floor Section

Center pan locked into and guided by track at base of side walls



Floor/Wall Section

- OSHPD-approved designs
- Complies with ASTM E1399
- Complimentary pre-construction design assistance
- Fire rating available; compliant with UL 2079
- Wide range of custom finishes available
- Virtually any joint size/movement capability can be accommodated.

HOW THE MACC SYSTEM WORKS



Full Open (During Tension) During an event, the MACC system slides out fully in the expansion (or tension) mode.



Full Closed (During Compression) During an event, the MACC system slides fully into the adjoining structure in the contraction (or compression) mode.

Flush Thinline Wall and Ceiling Covers 1"-10"

These flush gasketed wall and ceiling covers are designed to align with our flush gasketed floor covers. These covers are suitable for most wall and ceiling finishes and are unobtrusive.







MODEL DATA

WALL TO WALL COVE	RS							CEILING C	OVERS					
JOINT WIDTH	1"	2"	3"	4"	2"	3"	4"	1"	2"	3"	4"	2"	3"	4"
MINIMUM OPENING	0.60"	0.60"	1.25"	1.25"	1.25"	1.25"	1.25"	0.60"	0.60"	1.25"	1.25"	1.25"	1.25"	1.25"
MAXIMUM OPENING	1.25"	2.50"	4.50"	6.00"	4.00"	6.00"	8.00"	1.25"	2.50"	4.50"	6.00"	4.00"	6.00"	8.00
EXPOSED SURFACE	1.06"	2.06"	3.00"	4.00"	2.00"	3.00"	4.00"	0.81"	1.63"	3.00"	4.00"	2.00"	3.00"	4.00"
SPECIFY MODEL	FWF 100	FWF 200	FWF 300	FWF 400	FWS 200	FWS 300	FWS 400	FCF 100	FCF 200	FCF 300	FCF 400	FCS 200	FCS 300	FCS 400
CORNER WALL COVER	۶S							CORNER C	EILING CO	VERS				
CORNER WALL COVEF	RS 1"	2"	3"	4"	2"	3"	4	CORNER C	EILING CO 2"	VERS 3"	4"	2"	3"	4"
		2" 0.75"	3" 1.25"	4" 1.25"	2" 1.25"	3" 1.25"	4 1.25"				4" 1.25"	2" 1.25"	3" 1.25"	4" 1.25"
JOINT WIDTH	1" 0.75"							1"	2"	3"				
JOINT WIDTH MINIMUM OPENING	1" 0.75"	0.75"	1.25"	1.25"	1.25"	1.25"	1.25"	1" 0.75"	2" 0.75"	3" 1.25"	1.25"	1.25"	1.25"	1.25"

FWF-M, FWF and FWFC have the same model data. HC and FCS have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

GASKET COLORS



Note: Custom colors are available. Call 800.233.8493. *For more available models see our website.



Flush Twinline Wall and Ceiling Covers 2" and Up

Twinline wall and ceiling covers are designed to allow for greater ranges of movement while maintaining a seamless look.





WALL TO WALL COVE	RS														
JOINT WIDTH	2"	4"	6"	8"	10"	12"	14"	16"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	1.25"	1.25"	2.75"	2.75"	2.75"	2.75"	2.75"	2.75"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"
MAXIMUM OPENING	3.75"	6.25"	9.25"	12.75"	15.75"	18.75"	21.75"	24.75"	8.00"	12.00"	16.00"	20.00"	24.00"	28.00"	32.00"
EXPOSED SURFACE	6.50"	11.00"	13.00"	16.00"	19.00"	22.00"	25.00"	28.00"	14.31"	16.31"	18.31"	20.31"	22.31"	24.31"	26.31"
SPECIFY MODEL	GTW 200	GTW 400	SGW 600	SGW 800	SGW 1000	SGW 1200	SGW 1400	SGW 1600	LAF 400	LAF 600	LAF 800	LAF 1000	LAF 1200	LAF 1400	LAF 1600
CORNER WALL COVER	s														
JOINT WIDTH	2"	4"	6"	8"	10"	12"	14"	16"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	1.00"	2.50"	4.25"	5.50"	6.50"	7.50"	8.50"	9.50"	2.50"	2.50"	2.50"	2.50"	2.50"	2.50"	2.50"
MAXIMUM OPENING	3.00"	5.50"	7.50"	10.25"	12.75"	15.25"	17.75"	20.25"	8.00"	12.00"	16.00"	20.00"	24.00"	28.00"	32.00"
EXPOSED SURFACE	4.25"	7.50"	9.50"	12.00"	14.50"	17.00"	19.50"	22.00"	9.13"	11.13"	13.13"	15.13"	17.13"	19.13"	21.13"
SPECIFY MODEL	GTWC 200	GTWC 400	SGWC 600	SGWC 800	SGWC 1000	SGWC 1200	SGWC 1400	SGWC 1600	LAFC 400	LAFC 600	LAFC 800	LAFC 1000	LAFC 1200	LAFC 1400	LAFC 1600

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SGC and SGW have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

GTW

LAF



FS





SGC



GASKET COLORS



Note: Custom colors are available. Call 800.233.8493.

falling off the wal

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Allway[™] Metal Wall and Ceiling Covers 1" and Up

These metal covers for interior applications are designed as durable options in high use areas.



AFW



SFW



ASM



SFC



MODEL DATA

WALL TO WALL COVERS					
JOINT WIDTH	1"	2"	3"	4"	1"
MINIMUM OPENING	0.25"	0.38"	0.00"	1.00"	0.38"
MAXIMUM OPENING	1.88"	3.50"	6.38	7.38"	1.50"
EXPOSED SURFACE	5.00"	7.75"	10.75"	11.75"	3.13"
SPECIFY MODEL	AFW 100	AFW 200	AFW 300	AFW 400	ASM 100
CORNER WALL COVERS					
JOINT WIDTH	1"	2"	3"	4"	1"
MINIMUM OPENING	0.63"	1.19"	1.50"	2.50"	0.50"
MAXIMUM OPENING	1.44"	2.75"	4.69"	5.69"	1.50"
EXPOSED SURFACE	2.38"	4.25"	6.25"	7.25"	1.88"
SPECIFY MODEL	AFWC 100	AFWC 200	AFWC 300	AFWC 400	ASMC 100

SFC and SFW have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc. Note: additional wall and ceiling cover models SFW and SFC are available. Go to www.c-sgroup.com/ejc.

No exposed

fasteners

	2"	3"	4"	4"	8"	12"	16"
	0.38"	0.38"	0.38"	2.88"	2.88"	2.88"	2.88"
	3.00"	6.00"	6.00"	7.25"	14.13"	18.50"	25.88"
	4.63"	7.63"	7.63"	7.50"	15.00"	21.00"	27.00"
0	ASM 200	ASM 300	ASM 400	SFW 400	SFW 800	SFW 1200	SFW 1600
	2"	3"	4"	4"	8"	12"	16"
	0.50"	0.50"	0.50"	0.00"	5.44"	7.44"	9.44"
	3.00"	6.00"	6.00"	5.50"	11.06"	15.25"	19.44"
	3.38"	6.38"	6.38"	5.75"	11.50"	16.25"	21.50"
00	ASMC 200	ASMC 300	ASMC 400	SCW 400	SCW 800	SCW 1200	SCW 1600

Exterior Wall Flexible Seals 2" and Up

Our exterior flexible seals are designed for vertical applications where weather protection is critical.

SF-300





SF-800









Available in four standard colors. We also offer custom colors to match surrounding finishes.

MODEL DATA

EXTERIOR WALL COVI	ERS																	
JOINT WIDTH	2"	3"	4"	5"	6"	7"	8"	9"	10"	12"	14"	16"	1.0"	2.0"	3.0"	4.0"	6.0"	8.0"
MINIMUM OPENING	1.25"	1.25"	1.25"	1.25"	1.75"	2.50"	2.50"	2.50"	2.50"	6.00"	6.00"	6.00"	0.50"	1.00"	1.50"	2.00"	3.00"	4.00"
MAXIMUM OPENING	3.00"	4.50"	6.00"	7.50"	9.00"	10.50"	12.00"	13.50"	15.00"	18.00"	21.00"	24.00"	1.50"	3.00"	4.50"	6.00"	9.00"	12.00"
EXPOSED SURFACE	2.00"	3.00"	4.00"	5.00"	6.00"	7.00"	8.00"	9.00"	10.00"	12.00"	14.00"	16.00"	1.00"	2.00"	3.00"	4.00"	6.00"	8.00"
SPECIFY MODEL	SF 200	SF 300	SF 400	SF 500	SF 600	SF 700	SF 800	SF 900	SF 1000	SF 1200	SF 1400	SF 1600	VF 100	VF 200	VF 300	VF 400	VF 600	VF 800
EXTERIOR WALL COVERS																		
JOINT WIDTH	4"	5"		6"	7"	8	5"	9"	10"		11"	12"	1	3"	14"	15"		16"

	5.00	4.50	0.00	7.50	5.00	10.50	12.00	15.50	15.00	10.00	21.00	24.00	1.50	5.00	4.50	0.00	5.00	12.00
EXPOSED SURFACE	2.00"	3.00"	4.00"	5.00"	6.00"	7.00"	8.00"	9.00"	10.00"	12.00"	14.00"	16.00"	1.00"	2.00"	3.00"	4.00"	6.00"	8.00"
SPECIFY MODEL	SF 200	SF 300	SF 400	SF 500	SF 600	SF 700	SF 800	SF 900	SF 1000	SF 1200	SF 1400	SF 1600	VF 100	VF 200	VF 300	VF 400	VF 600	VF 800
EXTERIOR WALL COVE	RS																	
JOINT WIDTH	4"	5"		6"	7"	8	5"	9"	10"		11"	12"	13		14"	15"		16"
MINIMUM OPENING	1.25"	1.7	5"	1.75"	2.50"	2	.50"	2.50"	2.50		6.00"	6.00"	6.0	00"	6.00"	6.00"		6.00"
MAXIMUM OPENING	8.00"	10.	.00"	12.00"	14.00	"1	6.00"	18.00"	20.0	0"	22.00"	24.00"	26	.00"	28.00"	30.00	"	32.00"
EXPOSED SURFACE	4.00"	5.0	0"	6.00"	7.00"	8	.00"	9.00"	10.0	0"	11.00"	12.00"	13	.00"	14.00"	15.00	"	16.00"
SPECIFY MODEL	SC 400) SC	500	SC 600	SC 70	0 9	C 800	SC 900	SC 1	000	SC 1100	SC 120	0 SC	1300	SC 1400	SC 15	00	SC 1600

For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc. Factory fabricated transitions are available

STANDARD VF COLORS



STANDARD GASKET COLORS



Note: Custom colors are available. Call 800.233.8493.



Platinu

PREMIUM GASKET COLORS

	Natural Stone	Sandstone	Dusty Rose
ck	Charcoal	Bronze	Black



Seismic Exterior Wall Covers 8" and Up

Seismic exterior wall covers allow high ranges of movement while blending with exterior finishes for an unobtrusive look.







XLS Expanded

Magnet (counterweight cord not shown)







MODEL DATA

EXTERIOR WALL TO WA	LL COVERS								
JOINT WIDTH	8"	10"	12"	14"	16"	4"	8"	12"	16"
MINIMUM OPENING	4.00"	4.00"	4.00"	4.00"	4.00"	2.50"	2.50"	2.50"	2.50"
MAXIMUM OPENING	16.00"	20.00"	24.00"	28.00"	32.00"	6.00"	13.00"	19.00"	25.00"
EXPOSED SURFACE	17.31"	19.31"	21.31"	23.31"	25.31"	12.00"	18.00"	24.00"	30.00"
SPECIFY MODEL	XLS/XLP 800	XLS/XLP 1000	XLS/XLP 1200	XLS/XLP 1400	XLS/XLP 1600	ESW 400	ESW 800	ESW 1200	ESW 1600
EXTERIOR CORNER WAL	L COVERS								
JOINT WIDTH	8"	10"	12"	14"	16"	4"	8"	12"	16"
MINIMUM OPENING	4.00"	4.00"	4.00"	4.00"	4.00"	3.25"	5.25"	7.25"	8.75"
MAXIMUM OPENING	16.00"	20.00"	24.00"	28.00"	32.00"	6.50"	10.50"	15.50"	20.50"
EXPOSED SURFACE	13.00"	15.00"	17.00"	19.00"	21.00"	8.00"	13.00"	18.00"	23.00"
SPECIFY MODEL	XLSC/XLPC 800	XLSC/XLPC 1000	XLSC/XLPC 1200	XLSC/XLPC 1400	XLSC/XLPC 1600	ESC 400	ESC 800	ESC 1200	ESC 1600

For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.

Roof Covers 2" and Up

We offer multiple types of roof covers for flat and built-up roofs. Our metal and bellows roof covers expand and contract for multi-directional movement.







RJT



MARC



BRJ



MODEL DATA

ROOF TO ROOF COVER	RS														
JOINT WIDTH	2"	4"	6"	8"	10"	12"	14"	16"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"	1.00"
MAXIMUM OPENING	3.00"	6.00"	9.00"	12.00"	15.00"	18.00"	21.00"	24.00"	7.50"	11.75"	12.50"	16.75"	20.75"	21.00	24.25"
EXPOSED SURFACE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.00"	15.00"	18.00"	21.00"	24.00"	27.00"	30.00"
SPECIFY MODEL	BRJ 200	BRJ 400	BRJ 600	BRJ 800	BRJ 1000	BRJ 1200	BRJ 1400	BRJ 1600	SRJ 400	SRJ 600	SRJ 800	SRJ 1000	SRJ 1200	SRJ 1400	SRJ 1600
ROOF TO WALL COVER	S														
JOINT WIDTH	2"	4"	6"	8"	10"	12"	14"	16"	4"	6"	8"	10"	12"	14"	16"
MINIMUM OPENING	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	0.00"	4.50"	5.50"	6.50"	7.50"	8.50"
MAXIMUM OPENING	3.00"	6.00"	9.00"	12.00"	15.00"	18.00"	21.00"	24.00"	6.25"	8.75"	10.25"	13.25"	16.25"	17.50"	20.00"
EXPOSED SURFACE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.00"	10.50"	13.00"	15.50"	18.00"	20.50"	23.00"
SPECIFY MODEL	BRJW200	BRJW 400	BRJW 600	BRJW 800	BRJW 1000	BRJW 1200	BRJW 1400	BRJW 1600	SRJW 400	SRJW 600	SRJW 800	SRJW 1000	SRJW 1200	SRJW 1400	SRJW 1600

For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc. Note: RJT model data can be found at c-sgroup.com/ejc. Note: MARC model data can be found at c-sgroup.com/ejc. The cover's aluminum frames are designed to create a weathertight seal on the underside of the sliding metal cover.

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Parking Covers and Seals 1"-16"

Our parking joint covers are designed to eliminate problems associated with standard parking joints.

PARKING COVERS









⊢w⊢





⊢ES⊣

HB

⊢ JW –|

Rugged one-piece EPDM seal can withstand constar vehicular traffic

MODEL DATA

FLOOR TO FLOOR COVER	RS				
JOINT WIDTH	4"	6"	8"	6"	8"
MINIMUM OPENING	2.00"	2.00"	3.00"	0.00"	0.00"
MAXIMUM OPENING	6.50"	9.50"	12.50"	11.00"	13.00"
EXPOSED SURFACE	11.25"	16.25"	20.50"	19.63"	21.63"
SPECIFY MODEL	KB 400	KB 600	KB 800	PTC 600	PTC 800
FLOOR TO FLOOR COVER	s				
JOINT WIDTH	1.0"	2.0"	3.0"	4.0"	1.0"
MINIMUM OPENING	0.50"	1.00"	1.50"	2.00"	0.50"
MAXIMUM OPENING	1.50"	3.00"	4.50"	6.00"	1.50"
EXPOSED SURFACE	8.00"	9.00"	10.00"	11.00"	1.00"
SPECIFY MODEL	ZB 100	ZB 200	ZB 300	ZB 400	HB 100

ZBSM and ZB have the same model data. PDS and PDA have the same model data. For odd and larger sized joints, call 800.233.8493 or visit www.c-sgroup.com/ejc.



12

PTC 1200

HB 300

PTC 1000

HB 200

HB 400

PTC 1400

PTC 1600

PDA-100

KBW 400

PDA-200



8"

5.50' 10.25"

KBW 800

4.0"

1.50" 6.50"

6.75"

PDA-400

KBW 600

4.25

PDA-300

No matter what joint cover you need, we've got the right fire barrier.

When an expansion or seismic joint passes through a fire-rated structure, it is necessary to maintain the fire integrity of that structure.

Maintaining the integrity of a two-inch wide joint is quite simple; however, a joint designed for seismic movement up to 24 inches becomes a more difficult proposition. In general, the wider the joint, the more complex the fire barrier. We have simplified our fire barrier for small joint sizes for easy installation and to maximize cost effectiveness. (See Reflex®.) It is critical to coordinate transitions between floor and wall fire barrier to properly rate the condition. Current building codes require fire barrier to limit the passing of heat and flame for two, three and sometimes four hours, as well as accommodate the dynamic movement for which the joint was designed. ASTM E 1966 and UL 2079 specify criteria for cycling a fire barrier 500 times prior to fire testing.



REFLEX® 1"-4"



stainless foil drape.

NOMINAL JOINT WIDT 1 2 3 4

MONOFLEX (OFX) 3"-20" & MULTIFLEX® (MFX) 3"-12"



Sandwiched layers of stainless steel foil and insulation contained in a stainless steel mesh. Multiflex should be used where lateral shear is required in floor applications having a 3"-12" joint width.

NOMINAL JOINT WIDT 3-20 3-12

FB97 13" AND UP



Multiple drape configurations of stainless foil and insulation utilize air pockets for additional insulation performance. Sliding frame is available for 200% lateral shear applications in floors.

NOMINAL JOINT WIDT 13-24 25-36 13-24 25-36

Stainless steel foil drape with block insulation affords maximum economy in material and installation. Wall barriers require no

L TH	CS MODEL FLOORS	CS MODEL GYPSUM WALL	CS MODEL MASONRY WALL
	RFX-1F	RFX-1W (GYP.)	RFX-1W (CONC)
	RFX-1F		RFX-1W (1 HR CONC)
	RFX-2F	RFX-2W (GYP.)	RFX-2W (CONC)
	RFX-2F	RFX-2W (1 HR GYP.)	RFX-2W (1 HR CONC)
	RFX-3F	RFX-3WC	RFX-3WC
	RFX-4F	RFX-4WC	RFX-4WC

гн	CS MODEL FLOORS	CS MODEL GYPSUM WALL	CS MODEL MASONRY WALL
	OFX-3F-20F	OFX-3W-20W (GYP)	OFX-3W-20W (CONC)
	MFX-3F-12F	OFX-3W-12W (GYP)	OFX-3W-12W (CONC)

L TH	CS MODEL FLOORS	CS MODEL GYPSUM WALL	CS MODEL MASONRY WALL
	FB97-13-24	FB97-13-24 (GYP)	FB97-13-24 (CONC)
	FB97-25-36	NA	NA
	FB97-13(LS)-24(LS)	NA	NA
	FB97-25(LS)-36(LS)	NA	NA

LS designation indicates a special adaptation of the floor fire barrier to accommodate lateral shear movement. FB-97 wall fire barriers naturally provide lateral shear movement.



ALL OF THE FOLLOWING ARE INCLUDED IN OUR PRICE:

Accurate quotes when you need them, how you need them

Complete shop drawings

A project manager to control the process from quote through installation

All code-compliant hardware required to mount covers properly to the building

Specialized equipment to help with installation

Staggered shipments to ensure materials arrive at the proper times

Remember to ask—**"What's included?"**



CS creates products that solve complex building challenges around the world:

Acrovyn by Design[®] Acrovyn[®] Doors Acrovyn[®] Wall Covering + Panels Acrovyn[®] Wall Protection Architectural Grilles + Vision Barriers Architectural Louvers Cubicle Curtains + Tracks Entrance Mats + Grids Expansion Joint Covers Explosion + Pressure Relief Vents Fire + Smoke Vents Sun Controls

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