Expansion Joint Covers
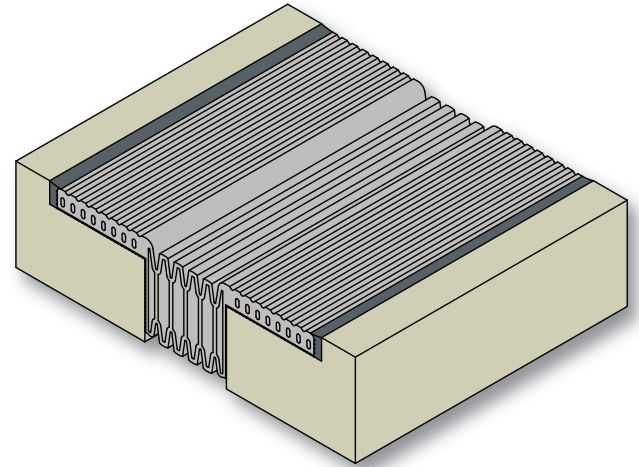
ZB & ZBW 100/400 Series

Technical Data:
Seal
- Material - EPDM
- Color – Black
- Durometer – 74 Shore A, ASTM D2240

Epoxy
- 2 part
- Gel Time – 35 minutes, ASTM C881
- Bond Strength (2 day cure) – 2,232 psi, ASTM C882
- Bond Strength (14 day cure) – 2,460 psi, ASTM C880
- Compressive Modulus – 250,100 psi, ASTM D695

Edge Sealant
- Tack free time – 25 minutes, ASTM C679

Product Description:
The ZB expansion joint system is a one-piece, extruded EPDM elastomeric seal with integral nosings, bonded into a high-strength epoxy bedding, designed for use in parking deck applications. The ensuing system is then sealed on each side with a urethane sealant, resulting in an extremely durable and watertight joint system.

Use This Cover For:
- Floor expansion joint cover in parking structures.
- Creating a watertight joint.
- Replacing damaged elastomeric concrete joint cover systems.

Performance Characteristics:
The EPDM seal allows for movement while the integral nosing eliminates the need for messy elastomeric concrete.
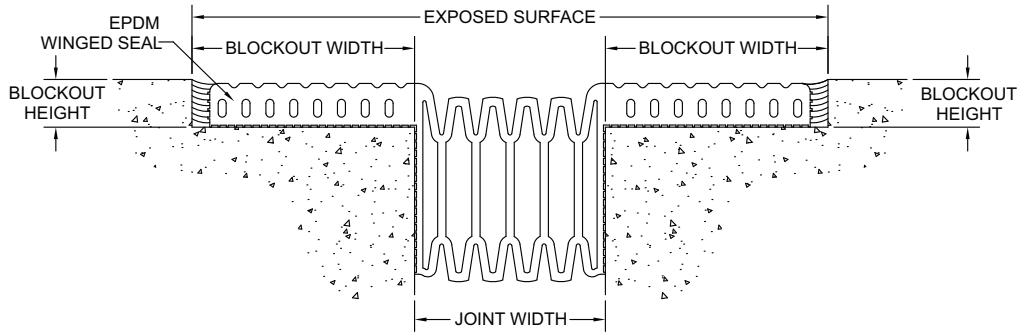
Standard Finishes:
Seal is available in black only.
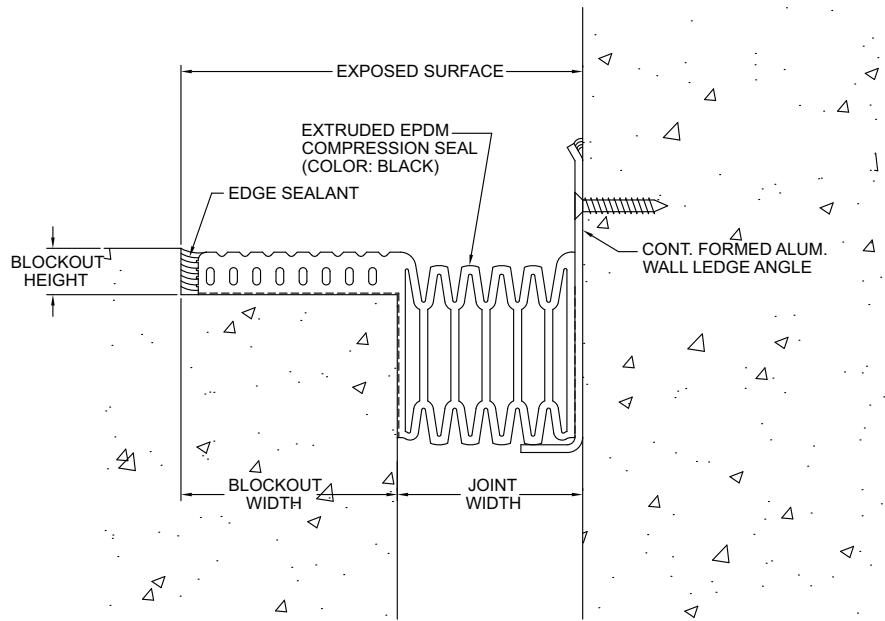
Installation Guidelines:
Blockouts must be solid, free of voids, dust, release agents or any other contaminants that would inhibit the bond of the primer. Sandblasting is recommended. The blockouts must be flat, level and parallel. The base of the blockout must be flat (along the length of the joint) to within +/-1/8" [3.18mm] and level (across the joint) to within +/-1/8" [3.18mm]. Any locations of edge raveling, spalling or other damage to the blockout surfaces must be repaired with a non-latex high strength grout that will provide a sound and square blockout. Surface temperatures should be above 40º but below 80º. Mix epoxy and apply to base of blockout. Push seal into joint opening and set wings into epoxy. Weigh down seal and let set 8 hours. For complete installation instructions, please visit www.c-sgroup.com.

To download detail, specs & photos visit www.c-sgroup.com
For technical and design assistance call 800-233-8493.

6.3

MODEL	JOINT WIDTH	MINIMUM OPENING	MAXIMUM OPENING	EXPOSED SURFACE	BLOCKOUT WIDTH	BLOCKOUT HEIGHT
ZB-100	1.00" (25mm)	0.50" (13mm)	1.50" (38mm)	8.00" (203mm)	3.50" (89mm)	0.75" (19mm)
ZB-200	2.00" (51mm)	1.00" (25mm)	3.00" (76mm)	9.00" (229mm)	3.50" (89mm)	0.75" (19mm)
ZB-300	3.00" (76mm)	1.50" (38mm)	4.50" (114mm)	10.00" (254mm)	3.50" (89mm)	0.75" (19mm)
ZB-400	4.00" (102mm)	2.00" (51mm)	6.00" (152mm)	11.00" (279mm)	3.50" (89mm)	0.75" (19mm)
ZBW-100	1.00" (25mm)	0.50" (13mm)	1.50" (38mm)	4.50" (114mm)	3.50" (89mm)	0.75" (19mm)
ZBW-200	2.00" (51mm)	1.00" (25mm)	3.00" (76mm)	5.50" (140mm)	3.50" (89mm)	0.75" (19mm)
ZBW-300	3.00" (76mm)	1.50" (38mm)	4.50" (114mm)	6.50" (165mm)	3.50" (89mm)	0.75" (19mm)
ZBW-400	4.00" (102mm)	2.00" (51mm)	6.00" (152mm)	7.50" (191mm)	3.50" (89mm)	0.75" (19mm)

ZB (TYP.)

ZBW (TYP.)