BG-Series

Below Grade System

Description

The BG-Series below-grade waterproofing system consists of an extruded elastomeric profile with extended membrane "wings" that are attached to the structure with aluminum retainer bars. The system is designed to be used with various below grade waterproofing systems to seal the structure from the intrusion of water and debris. The unique design allow the seal to work in compression and tension.

The seal body and wings are extruded in continuous lengths, providing a monolithic structure. The wing extensions are extruded as part of the seal shape, providing a waterproof shroud over the joint opening. These extensions allow for complete encapsulation of the wings into adjacent waterproofing materials, creating an impenetrable water barrier.

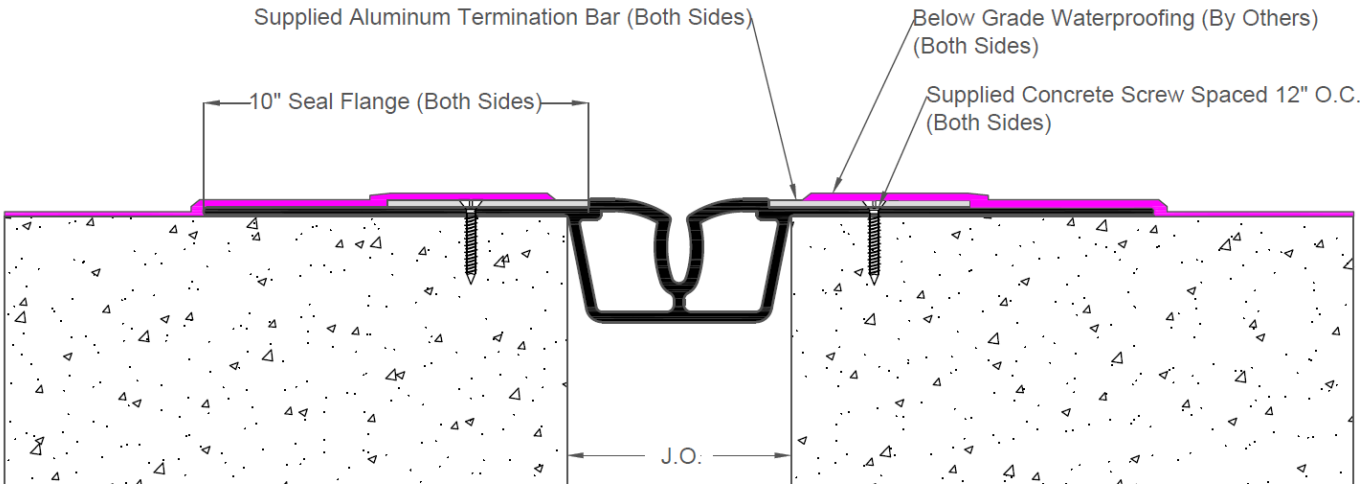
LEED Credits - Up to two (2) LEED credits depending on the location of the project.

Physical Properties

The seal is an extruded shape made from an EPDM-based, thermo-rubber material (Santorpene). The material's physical properties are shown in Table 1.

Table 1 - Physical Properties of the EPDM-Based Thermo-Rubber Seal Element

Property	ASTM Test Method	Requirement
Tensile strength, min.	D412	1000 psi
Elongation at break, min.	D412	410%
Hardness, Type A durometer	D2240 (modified)	67
Compression set	D395 (Method B)	
168h @ 77°F		24%
168h @ 212°F		36%
Tear strength	D624	140 lb/in
Tension set	D412	10%
100% modulus	D412	420 psi
Specific gravity	D792	0.97
Brittle point	D746	< -81°F



PRODUCT	MIN. WIDTH IN (MM)	MID RANGE IN (MM)	MAX. WIDTH IN (MM)	TOTAL MOVEMENT IN (MM)
BG-200	1.25" (21)	2.00" (51)	4.00" (102)	2.75" (70)