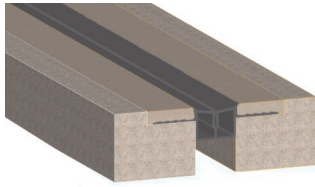


DW-Series



Description

The Polycrete DW-Series Membrane System is designed for parking deck and open-air structures. It features a preformed

elastomeric membrane that is fusion-bonded to the concrete deck with Polycrete Elastomeric Concrete. Once installed, this system provides a watertight seal while flexing in response to fluctuations in joint width.

The membrane incorporates a center section with a heavy-duty web structure and integral edge flaps with factory-punched holes. The Polycrete mixture penetrates the holes in the edge flaps and secures the part to the base of the concrete block-out.

The DW-Series shapes are specifically designed for applications where a smooth walking surface is required. Due to the special action of the top (horizontal) and center (vertical) webs of the cross-section, the seals provide a nearly constantly level surface during cyclic action.

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

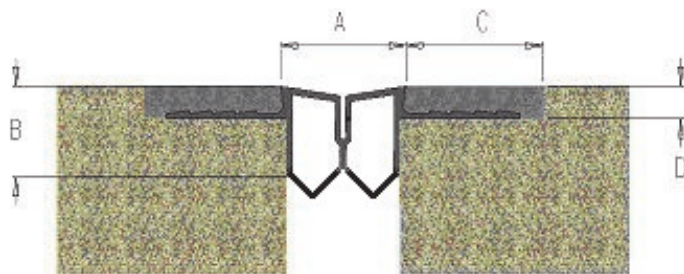
Physical Properties

The system consists of two items: an elastomeric membrane and a field-cured header and bedding material.

The membrane is available in several sizes. It is an extruded shape made from an EPDM-based, thermo-rubber material (Santoprene®). The material's physical properties are as shown in Table 1.

The Polycrete consists of a combination of a resin mixture and a gradation of sands and aggregate sizes, blended per recommendations of the manufacturer. (See the Polycrete data sheet for further information and technical properties.)

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 MOVE- MENT IN (MM)	DIM. A: IN (MM)	DIM. B: IN (MM)
DW-150	0.75" (19)	1.00" (25)	3.00" (76)	2.25" (57)	1.50" (38.1)	1.81" (46)
DW-250	1.00" (25)	2.00" (51)	4.00" (102)	3.00" (76)	2.50" (63.5)	2.25" (57)
DW-350	1.25" (32)	3.00" (76)	5.00" (127)	3.75" (95)	3.50" (88.9)	2.25" (57)

