

STRIP SEAL SYSTEMS

TS-Series



Description

The TS-Series Strip Seal System is designed for parking garage and open-air structures. The system features a strip seal shape, locked into rugged aluminum retainers. These metal shapes are fusion-bonded to the deck using Polycrete elastomeric concrete.

The seal is made from a specially formulated thermo-rubber material that can be colored and heat-spliced to ensure watertight directional changes.

In the unlikely event that the seal is damaged, it can be removed from the aluminum rails and replaced quickly. No header material needs to be removed in the process.

Physical Properties

The system consists of three items: an extruded seal, aluminum edge rails, and Polycrete nosing material

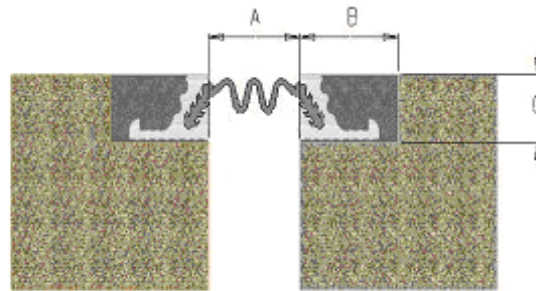
The extruded seals are made from EPDM-based, thermo-rubber material (Santoprene®) meeting requirements of ASTM D2000 and having properties as shown in Table 1.

The edge retainers are extruded from aluminum meeting requirements of ASTM B221 alloy 6063-T5 with a mill finish.

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.)

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)	DIM. A: IN (MM)	DIM. B: IN (MM)	DIM. C: IN (MM)
TS-400	1.00" (25.4)	2.62" (66.5)	4.25" (107.9)	3.25" (82.5)	2.62" (66.5)	2.50" (63.5)	1.50" (38.1)