

DATA SHEET

Type ME Seal System

PRODUCT DESCRIPTION

Type ME Seal System consists of a thermoplastic prefabricated, compartmentalized, elastomeric, compression type seal with integral perforated wings.

The expansion joint seal types are continuously bonded into a concrete blockout with Tron-Flex Elastomeric Concrete header material.

BASIC USES

The Type ME Seal System are used to seal expansion joints exposed to wheel and/or pedestrian traffic in parking structures, stadiums, plazas, and together types of concrete structures where water tightness is required.

ADVANTAGES

- The seal is bonded into a flexible, elastomeric concrete header that provides a continuous watertight anchoring system.
- The seal provides a relatively low profile surface exposure minimizing the top opening, which reduces tripping hazards and the collection of debris in the joint.
- The compartmentalized nature of the Type ME seal provides secondary protection against leakage if the seal is punctured at the surface. Additionally, in the unlikely event that the top of the seal is punctured, since the seal is made of thermoplastic rubber, repair is simple.
- The limited top exposure area of the seal and its unique design, does not allow the seal to rise above the surface of the adjoining concrete, hence making it less susceptible to damage from normal, everyday traffic and abusive snowplowing practices.

LIMITATIONS

- Performance of the Type ME Seal System is closely tied to preparation and installation techniques as well as structural behavior of the expansion joint.
- Maintaining close tolerances is essential to the success of the expansion joint system. Correct installation of the system is critical and should be performed only by an authorized applicator of products manufactured by R.J. Watson, Inc.

INSTALLATION

Preliminary: Blockouts to receive the Type ME Seal System must be clean, dry, sound, relatively smooth and free of voids, rides, and sharp projections. Joint openings and block outs must be properly sized.

LABORATORY TECHNICAL DATA

(Field Properties May Vary)

Property	Test Method	Seal	Type ME
Tensile Strength	ASTM D412	1010 psi (67A) 1280 psi (73A)	1680 psi
Elongation @ break	ASTM D412	450% (67A) 490% (73A)	240% min
Tear Strength	ASTM D624	138 (67A) 159 (73A)	195 lbs/inch
Brittle Point, °F	ASTM D746	-76 (67A) -76 (73A)	—
Compression Set 168 hrs @73°F	ASTM D395	23% (67A) 26% (73A)	—
Compression Set 168 hrs @212°F	ASTM D395	32% (67A) 44% (73A)	—
Hardness	Shore A		80± 3
Compress Strength 5% deflection Resilience, %	ASTM D695	— —	1442 psi min. 96% min.
Adhesion Properties Bond to concrete	ASTM C109	—	422 psi min
Ozone resistance	ASTM 1149	No Cracks	No Cracks
Water Absorption	ASTM D570	—	2%
U.V. Resistance	—	Excellent	Excellent



DATA SHEET

Type ME Seal System

INSTALLATION con't

Preparation: The blockouts must be sandblasted just prior to application of the Tron-Flex Primer. The primer must be applied to all concrete surfaces that will come in contact with the Type ME Seal Coat and the Tron-Flex Elastomeric Concrete header material.

Installation: Begin by installing the seal into the joint opening. The Primer is then applied to all areas of the blockout. When the primer is dry, the Tron-Flex Tack Coat material is gunned under the wings in sufficient amount to rise through the perforations. After the Tack Coat is firmed up, the Tron-Flex Elastomeric Concrete Header can then be mixed, installed and tooled to a smooth surface.

PRECAUTIONS

To ensure safe installation of the Type ME Seal System, please refer to the Material Data Safety Sheet for detailed health and safety information prior to use.

MAINTENANCE

Type ME Seal System may be easily repaired while in service using methods recommended by the manufacturer.

WARRANTY

R.J. Watson, Inc. warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product.

TYPE	RANGE	JOINT OPENING SIZE (X)		INSTALLATION WIDTH		
		Minimum (x)	Maximum (x)	Minimum	Mid-Range	Maximum
ME23	1.750 44.450	0.500 12.700	2.250 57.150	1.125 28.575	1.500 38.100	2.000 50.800
ME30	2.250 57.150	0.750 19.050	3.000 76.200	1.750 44.450	2.000 50.800	2.750 69.850
ME40	3.000 76.200	1.000 25.400	4.000 101.600	2.250 57.150	2.750 69.850	3.750 95.250
ME50	3.500 88.900	1.500 38.100	5.000 127.001	3.000 76.200	3.250 82.550	4.750 120.650
ME50L	3.500 88.900	2.000 50.800	5.500 139.701	2.500 63.500	4.000 101.600	5.250 133.351
ME60	4.250 107.950	1.750 44.450	6.000 152.401	3.500 88.900	3.875 98.425	5.750 146.051
ME60L	3.500 88.900	3.000 76.200	6.500 165.101	3.500 88.900	5.000 127.001	6.250 158.751

