

MaineDOT Qualified Products Acceptance Criteria

Bridge Compression Seals

Overview

Preformed Elastomeric Joint Seals shall be specified on the contract documents when applicable to projects. Each seal shall be specified by a Movement Rating, which shall be the design movement of the bridge, 1.25 in./100 ft. (30 mm/30 m). At fixed joints a Movement Rating of 0.5 in. (13 mm) is specified unless an engineering evaluation of the joint geometry indicates the need for a larger value.

Criteria

MaineDOT Standard Specifications: Current Version, Section(s) 520 and 714 AASHTO M297

The Movement Rating is to be used as the actual movement of the joint parallel to the direction of expansion. Although the Standard Details (see manufacturer's website for Standard Details) of the compression seals listed above show a Movement Rating at 45° F (7° C) to be normal to the centerline of bearings, no reduction in the Movement Rating will be made for skewed structures. This will compensate for movements in the transverse direction. (See manufacturer's website for Standard Details)

Seals of 4.0 in. (102 mm) nominal width at skew over 15° and all seals wider than 4.0 in. (102 mm) will exceed the 3.5 in. (89 mm) max. joint opening allowed and should only be used in combination with plates or other means that will reduce the joint opening at the pavement surface to 3.5 in. (89 mm) or less.

Special design consideration is required for skew between 30° and 50° back on the right (skewed either way on the Interstate) because of the danger of a snowplow blade catching in the joint.

Contact Manufacturers for instructions and recommendations. Seals can be manufactured with required skew as well as in one piece including roadway, face and top of curb configurations.

PRODUCT CONFORMITY: At the discretion of MaineDOT, any shipment of product to a MaineDOT location may be tested, such as by infrared or gas chromatography, for compliance with the SDS and uniformity with the formulation of the approved product (where applicable).

NOTE: MaineDOT may require a field evaluation before final acceptance and inclusion on the Qualified Products List (QPL).

A vendor who wishes to have products preapproved for future use should contact MaineDOT's Product Evaluation Coordinator via email at NewProducts.MaineDOT@maine.gov or by calling (207) 557-1788

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Submittals

Product Submittal Packets shall include a COMPLETED:

- New Product Evaluation form
- Current Technical Data Sheet
- Current Safety Data Sheet (SDS)
- Third Party, Independent Test Results OR AASTHO Product Evaluation & Audit Solutions (formerly NTPEP) testing ID for those products requiring this testing

Incomplete submittals will not be evaluated for inclusion on MaineDOT's Product Lists.

All reports shall be issued and signed by an authorized laboratory representative. The report shall include date of testing, product name, and the physical and/or chemical requirements stated herein.

Product Changes

Any change in a product, such as formulation, shall require re-testing (through AASTHO Product Evaluation & Audit Solutions (formerly NTPEP) if required) or independent, third-party lab. Manufacturers shall notify MaineDOT of products changes and resubmit as a new product for re-evaluation, failure to do so may result in removal of product from MaineDOT's QPL.

Manufacturers shall submit, for re-evaluation, an updated independent analytical laboratory report (or AASTHO Product Evaluation & Audit Solutions (formerly NTPEP) testing ID) prior to approval or purchase by MaineDOT.

Recertifications

MaineDOT requires re-certification by all manufacturers every five years (except for electrodes used for field welding which are recertified every year) to ensure that product names and formulations have remained the same since the product was originally placed on this list and that products are still relevant and in production. Where applicable, this shall include the most recent AASTHO Product Evaluation & Audit Solutions (formerly NTPEP) testing ID. Additionally, AASTHO Product Evaluation & Audit Solutions (formerly NTPEP) provides for retesting products. A lapse of AASTHO Product Evaluation & Audit Solutions (formerly NTPEP) testing/audit schedule as set forth in the associated workplan shall result in disqualification of the product.

Manufacturers of any products requiring MASH testing must contact MaineDOT Product Evaluation Program of any changes to their products. Manufacturers are responsible for tracking their recertification dates, reminders will not be sent. Failure to recertify products may result in removal from the QPL.

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Other Information

The Department continues to evaluate its Acceptance Criteria and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice.

Furthermore, the ability of a product to meet these requirements does not necessarily guarantee addition to the Qualified Products List. Reminder that, products once placed on the Qualified Products List are to be considered prequalified for use only, meaning that they have undergone preliminary review for compliance with MaineDOT, and AASHTO specifications. As with all products, final approval rests with the Designer, Project Manager, Supplier and/or Resident to determine if a product best suits the need of a particular project.

If you are experiencing difficulties reading or printing this page, or have questions regarding the Qualified Products List website, please contact the Product Evaluation Program Coordinator at (207) 557-1788 or by email at: NewProducts.MaineDOT@maine.gov