

Product Evaluation

RE: Review of 3M 380AW - 5 All Weather tape

PRODUCT

3M 380AW - 5 All Weather tape is a durable road marking tape manufactured and distributed in Alberta by 3M Canada Company located in London, Ontario. Website: <https://www.3mcanada.ca>

VENDOR CLAIMS AND INFORMATION

CLAIMS

3M 380AW-5 ("Tape") is a durable pavement contrast marking tape that is highly retroreflective under both wet and dry conditions. The Tape is weather resistant and provides excellent retroreflectivity and color retention. The Tape is a highly effective lane marking material and will show no appreciable fading, lifting, shrinkage, or chipping for the duration of the warranty period, when applied according to the 3M requirements described in the 3M product literature. The Tape's durability depends on environmental and traffic conditions, including, but not limited to, snow removal practices, method of application, and pavement and atmospheric conditions at the time of application.

DESCRIPTION

3M 380AW - 5 All Weather tapes are built to last with abrasion-resistant microcrystalline ceramic beads bonded in a highly durable polyurethane topcoat. They are available in white and yellow colour. 1.5" wide matte black preformed patterned film borders on both sides of white or yellow film.

POTENTIAL USAGE

The Tape can be used as an inlay marking on new asphalt or as an overlay marking on most asphalt and concrete pavement surfaces in good condition.

STANDARDS

ASTM E1710	Measurement of Retroreflective Pavement Marking Materials with CEN-Prescribed Geometry Using a Portable Retro-reflectometer
ASTM E2832	Measuring the Coefficient of Retro-reflected Luminance of Pavement Markings in a Standard Condition of Continuous Wetting (RL-2)
ASTM E2177	Measuring the Coefficient of Retro-reflected Luminance (RL) of Pavement Markings in a Standard Condition of Wetness
ASTM E303	Measuring Surface Frictional Properties Using the British Pendulum Tester

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation and Economic Corridors has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation and Economic Corridors does not have standards for Pavement Marking Tapes and Wet Night High Visibility Pavement Markings.

RECOMMENDATIONS

3M 380AW - 5 All Weather tape be listed as a Potential Product under Alberta Transportation and Economic Corridors Products List, Pavement Markings – Traffic Marking Tape – Proprietary, and Pavement Markings – Wet Night High Visibility – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

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