Alberta Transportation

Product ID: 8080-3
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Product Evaluation

RE: Review of T-78 Polymer Crack Sealer

PRODUCT
T-78 Polymer Crack Sealer is manufactured by Castel Inc. located in Berwick, Pennsylvania and distributed by Transpo Industries Inc. located in Rochelle, New York.

VENDOR CLAIMS AND INFORMATION

CLAIMS:
T-78 Polymer Crack Sealer is a specially formulated, low viscosity, low surface tension methyl methacrylate (MMA) reactive resin system that is highly effective for sealing and filling cracks in concrete. T-78 will cure in approximately one hour at low temperatures. The very low viscosity and surface tension of T-78 allows it to easily penetrate and fill deep cracks in the concrete substrate. Product Web link: http://www.transpo.com/T-78.html

DESCRIPTION:
T-78 Polymer Crack Sealer consists of two components: T78 resin and T-78 powder hardener. T-78 Crack Sealer is methyl methacrylate (MMA) monomer polymerized in the field as a crack inlay and/or surface overlay.

POTENTIAL USAGE:
When applying T-78 Polymer Crack Sealer the concrete surface must be thoroughly cleaned and free of all dirt, contaminates which must be removed by sandblasting or shot blasting. The use of T-78 on concrete reduces the chloride permeability of the structure, protecting it from further deterioration. T-78 is recommended for numerous concrete structures: Bridge decks; Industrial Floors; Concrete roads and Runways.

STANDARDS:
ASTM references are included in the T-78 Technical Data Sheet

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:
Alberta Transportation has extensive experience with cracking sealing for concrete bridge decks.

APPLICATION STANDARDS:
Gravity flow concrete crack fillers – Proven Products List

RECOMMENDATIONS: RECOMMENDATIONS:
T-78 Polymer Crack Sealer be listed as a Potential Product under Alberta Transportation Products List, Crack Treatment – Concrete Crack Filler – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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