

RE: Review of POLY-MOR High Density Expanding Resin

PRODUCT

POLY-MOR High Density Expanding Resin is manufactured and distributed by Poly-Mor Canada Incorporated located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The POLY-MOR High Density Expanding Resin is a multi-step process designed to identify and facilitate the repair and restoration requirements of voids under highways, roadways, airport pavements and other transportation assets. Once the POLY-MOR is injected, the polymer begins to expand and forms a stable, strong, lightweight replacement base material. Web link for this product:

<http://www.poly-mor.ca/>

DESCRIPTION

POLY-MOR High Density Expanding Resin is a high density expanding polymer material. The POLY-MOR polymer material is inert, environmentally neutral and does not contribute to soil or water contamination.

POTENTIAL USAGE

POLY_MOR High Density Expanding Resin is used as follows:

- Seals ((drives out standing water)
- Stabilizes (fills any ground voids)
- Insulates (protects against freezing or thawing)

STANDARDS

No standards submitted.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product. Alberta Transportation has experience with the use of light weight grouts for filling voids.

APPLICABLE STANDARDS

At present Alberta Transportation does reference specification 2.4 Culverts for grouting of abandoned culverts.

RECOMMENDATIONS:

POLY-MOR High Density Expanding Resin be listed as a Proven Product under Alberta Transportation Products List, Void Filling – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

Highway 16 on EBL retaining wall at Broadmore Boulevard

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Clarence Wong
Jim Gavin