

Product Evaluation



Product ID: 8090-2-6-5
Initiation Date: July 2017
Revision Date: March 1, 2018
Expiry Date: September 2027

RE: Review of NovaForm PVC Liner

PRODUCT

Novaform PVC Liner is manufactured and distributed by IPEX Inc. located in Calgary, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Novaform PVC Liner is used in sewer and culvert rehabilitation. Extruded and coiled into reels, Novaform PVC Liner is heated and conditioned on the job site, then pulled into an existing pipe by mechanical means. The NovaForm Liner is plugged and expanded by introducing steam and then air, allowing it to form snugly against the host pipe. As air is introduced the pipe cools and hardens producing a fully functional pipe. Product web link: <http://www.ipexna.com/products/municipal/sewer-piping-systems/novaform-pvc-liner>

DESCRIPTION

Novaform PVC Liner shall be made from PVC compound meeting all the requirements for cell classification 12111 as defined in ASTM D1784. .

POTENTIAL USAGE

Novaform PVC Liner for rehabilitation of sewer and culverts from 150mm diameter to 750mm diameter. Novaform PVC Liner offers non-corroding and installation friendly PVC piping rehabilitating deteriorated sewers and drainage culverts.

Novaform PVC Liner has been approved for use by the city of Edmonton and the city of Windsor.

STANDARDS

ASTM F1216
ASTM F1504
ASTM F1867
ASTM F1871
ASTM F1947

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product. Alberta Transportation has rehabilitated many culverts using plastic and steel liners.

APPLICABLE STANDARDS

Alberta Transportation specification 2.22 Plastic Culvert Extensions and Culvert Liners

RECOMMENDATIONS:

Novaform PVC Liner be listed as a Trial Product under Alberta Transportation Products List, Culverts – Culvert Liner – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

Sarcee Trail and Stony Trail (under the S. Abutment) - 2017

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
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Jim Gavin