

Spray Applied Geopolymer Culvert Linings In Canada

Over the past decade the ability to repair large diameter culvert and storm water systems with Spray Applied materials has greatly increased. This presentation will focus specifically on the use of spray applied geopolymer mortars on four projects within Canada that were conducted for the Ministry of Transportation in Ontario, as well as projects for municipalities in the provinces of British Columbia and Quebec. The paper will cover examples of pipes that have been both hand sprayed and machine applied, with diameters ranging from as small as 750 mm to in excess of 300 mm. The application process, planning, execution, structural design and on-site quality control will be presented along with testimonials from the asset owner on the completed projects.