

kelso coatings



Client

Toronto Pearson Airport

Location

Toronto, Ontario

Project type

Concrete repair & Waterproofing

Toronto Pearson Airport

Below grade water leak in luggage area

PROBLEM

The Greater Toronto Airport Authority had a luggage area that was unusable because of a twelve-year active leak 20 feet below grade.

The challenges facing us were in:

- Security clearances required for airport access.
- Water infiltration was active.

PROCESS & HIGHLIGHTS

- CN2000A® was required to act as an insta-plug directly in the cavity of the wall, which swelled and consolidated with the existing substrate.
- After the active flow of water stopped, two coats of CN2000B® were applied to the area of the leak and surrounding area. CN2000B® creates a molecular bond with the concrete and continues to penetrate the structure as long as there is moisture. CN2000B® also contains powerful self-healing compounds to continue to self-repair cracks in the substrate that may form decades after application.
- To speed up the curing process, CN2000C® and CN2000D® were applied to maintain the hydration required for the CN2000B® to cure according to specifications.

SOLUTION

The Greater Toronto Airport Authority has the area back to full working use, saving money and allowing the luggage to be stored in the correct location.



Kelso Coatings a division of Kelso Industrial Group
405 Industrial Drive, Unit #11, Milton Ontario L9T 5B1 Canada
Tel 905-281-3921 [web kelsocoatings.com](http://www.kelsocoatings.com)