

Client: Toronto Pearson Airport, Toronto, Ontario

Topic: Below grade water leak in luggage area

Situation

Our client was:

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

Challenges

The challenges facing us were in:

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

Actions

The actions we took to address these challenges were:

- ∴ 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.



Results

Our actions resulted in:

- ∴ 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.

For additional information, or to discuss your requirements, please contact:

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