

TECVAC, Inc. Selected To Perform Repairs at Ronald Reagan Washington National Airport



Washington Ronald Reagan National Airport

Leaking Fractures In A Newly Cast Concrete Pedestrian Tunnel Are Repaired With TECVAC, Inc.'s Vacuum Force TecSeal™ Permeation Leak Seal Process.

TECVAC, Inc.

"Taking Quality To A New Level... Worldwide"

Washington, DC — TECVAC, Inc. has applied its exclusive TecSeal™ Permeation Leak Repair Process to leaking fractures located in the walls and floor of a pedestrian tunnel being completed at the newly renamed Washington Ronald Reagan National Airport. The peerless vacuum process was used to draw a low viscosity expanding vinyl ester repair resin into the wet fractures.

This combination of vacuum induction, with water thin repair resin, conveyed a number of advantages over conventional pressure injection. TecSeal™ situates the resin into the finest width of cracks, smallest voids and interconnected micro fissures by manipulating flow within the fracture. The vinyl ester resin does not chemically react with water like polyurethane, so there is no foam layer to reduce adhesion or prohibit the capillary activity generated by the negative actions of the process.

URS Griner, the project engineers, chose TecSeal™ instead of the pressurized application of polyurethane grouts, typical for this type of leak repair. Because TecSeal™ establishes negative pressures and sets up distracted flows within the fracture zone, the repair resins can be influenced into deeper and more intricate network penetrations. The TecSeal™ Process promotes intimate bonding, deep invasion and lasting permanence, often with only surface mounted induction ports. ##

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