

Tecvac, Inc.'s PermeJect™ Vacuum Permeation Impregnation Process Employed To Repair Cracks In Maryland Transit System

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Baltimore, MD — The PermeJect™ Vacuum Permeation Impregnation Process is a crack repair technique developed by Washington, DC based TECVAC, Inc. to methodically and efficiently install repair resins into the finest fractures. Using powerful vacuum force and specialty repair resins, the process eliminates a number of the problems normally associated with conventional pressure methods and epoxy resins, not the least of which is the elimination of internal damages caused by the effects of induced high pressures.

The industry touts "low pressure is better" and the technological advantages of using low pressure are well documented. Now, Tecvac, Inc.'s vacuum (negative) processes over conventional pressure (positive) techniques are even more numerous. Unlike pressure injection, the vacuum processes withdraw air and moisture from cracks prior to the installation of appropriately selected repair resins. Where excessive moisture is encountered, it can be evacuated with Tecvac's Hotbox™ prior to resin installation. The tendency to burst the damaged member, so characteristic of conventional pressure methods by compressing the liquid repair resin, is now totally eliminated.

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