

# DataPort System®

1-3-2 POI Test/Inject System



Non-Invasive Leak Seal Test

#### **Overview**

Leak-sealing applications prove to be among the most challenging concrete repair projects in the industry. Extreme hydrostatic conditions sometimes create reoccurring leaks; even after seemingly successful chemical injection. Vague success indicators can cause costly contractor remobilization costs. Warranty work can also create disruptive and unanticipated client facility down-time.

Because of these considerations, SealBoss® Corporation has been developing a quality control system for chemical grouting that can provide the contractor, client, and engineering/consultant teams a system to determine chemical grouting leak seal effectiveness on the jobsite before demobilization.

## Non-Invasive, In Sequence POI Testing - No Additional Drill Holes Required

The **SealBoss® DataPort System®** has been designed to not require additional drill holes, but utilize the regular POI injection pattern to test the leak seal.

The injection procedure pattern follows the **1-3-2 POI Test/Inject Sequence** System. During step three in sequence, prior to subsequent injection, the test is performed with the injection packer in place. The test has been designed to detect potential leaks at the most vulnerable points during or after injection without the need for additional drill holes into the substrate. Remember, any drill hole not necessary for the injection process has to be avoided. It creates a point of weakness, structure degradation and needs to be repaired after testing.

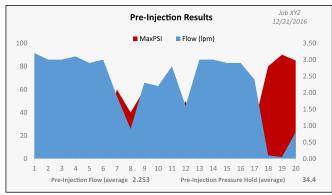
## On the Job Testing Limitations

Testing the effectiveness of crack injection by standardized methods is limited when used in real life job applications. A test can deliver spot check data that needs to be interpreted based on the conditions on the jobsite. Outside the lab, the distribution pattern and effectiveness of leak seal product in the substrate cannot be tested in its entirety. A test is considered a spot check, covering the immediate area of the test. Even if the test indicates the leak seal to be adequate, it cannot provide reliable data for the whole injection project.

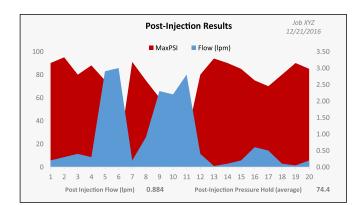
#### On the Job Non-Invasive Testing Advantages

Notwithstanding the limitations, a sequential spot test and the resulting interpretation is a tool to determine the injection method, product and equipment choices and to assess injection results at the test area. The results may not reliably be representative for the injection performance in its entirety.

The **SealBoss® DataPort System®** aims to provide the chemical grouting industry a QC system that can improve chemical grouting effectiveness, and save costs for both contractors and clients.







SealBoss® DataPort System®



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## 1-3-2 POI Test/Inject System

## **DataPort System**

Word Mark DATAPORT SYSTEM

Goods and Services IC 009. US 021 023 026 036 038. G & S: testing equipment and computer software to measure flow and pressure parameters for chemical injection applications, namely, in relation to concrete repair, sold as a unit in the nature of a system comprised of pressure gauge, water pump, connection cables, mechanical injection packer, and software to chart and compare all data collected from the aforesaid testing equipment. FIRST USE: 20160325. FIRST USE IN COMMERCE: 20160501

Standard Characters Claimed

(4) STANDARD CHARACTER MARK Mark Drawing Code

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Type of Mark SUPPLEMENTAL Live/Dead Indicator

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