

# Performance Standards



Improving Where the World Stands

## SS AquaSeal-Harden™

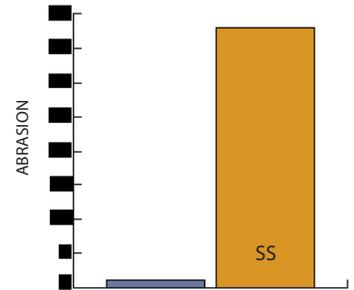
UNTREATED SAMPLE = UT

SEALSOURCE PRODUCT = SS

### ABRASION

Abrasion ASTM C 779—Depth of Wear

Abrasion Resistance to Revolving Discs: The SS AquaSeal-Harden sample had an **improvement of 33%** over an untreated control sample.



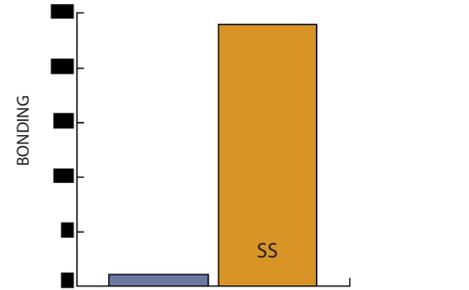
### CURING

The untreated sample has 95% greater moisture loss than a sample treated with SealSource AquaSeal-Harden. A trowelled sample treated with SealSource AquaSeal-Harden has moisture loss less than 0.55kg/m<sup>2</sup> after 72 hours.

### BONDING

Surface Adhesion ASTM D 3359

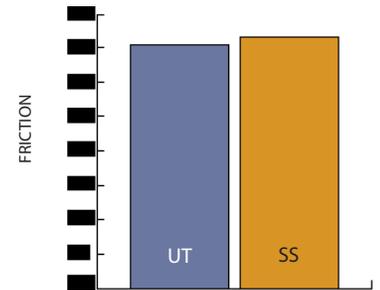
A **23% increase** in adhesion over untreated samples.



### FRICTION

Friction ASTM C-1028-96

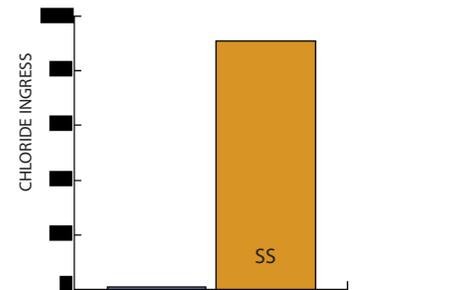
(A higher number represents increased friction) The untreated sample FD 0.710 and the treated sample with SS AquaSeal-Harden FD 0.731



### PERMEABILITY

Conducted under the CRD-C 48-73

“Method for Water Permeability of Concrete” showed that the SS AquaSeal-Harden **greatly reduced** the permeability of concrete over the control.



### CHLORIDE INGRESS

Conducted under the NCHRP No. 244

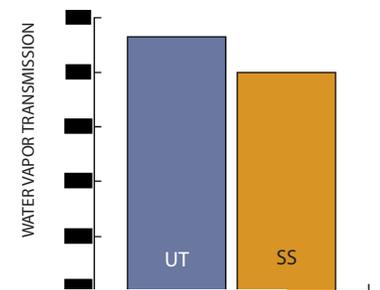
“Concrete Sealers for Protection of Bridge Structures.”

When combined with a coat of SealSource HardenX SI, there is a reduction of Chloride ingress of 91% over untreated sample.

### WATER VAPOR TRANSMISSION

WaterVapor Transmission ASTM E-96-94

These figures are reported in grains/hour per square foot and show reduced vapor transmission. Untreated 1.40, treated 1.2



### WATER PENETRATION

A 3000 psi steel troweled concrete sample that had been in place for 10 years and a water cylinder were used. The sample was tested through a 30 minute soak-in period. The cylinder is graduated in inches, the figures represent column inches absorbed over the test period. Untreated .7, SealSource AquaSeal-Harden 1.

