

Performance Standards



SS DuraGuard™

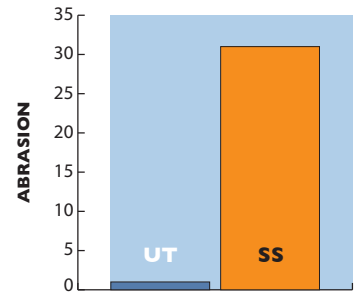
UNTREATED SAMPLE = UT

SEALSOURCE PRODUCT = SS

ABRASION

Abrasion ASTM C 779—Depth of Wear

Abrasion Resistance to Revolving Discs: The SS DuraGuard sample had an **improvement of 30%** over an untreated control sample.



CURING

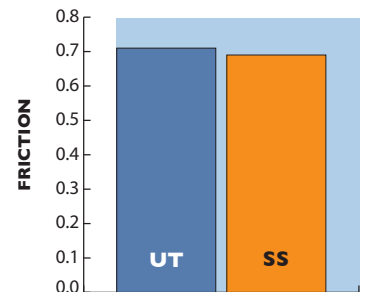
The SS DuraGuard does not meet the standards of the ASTM C 309.

Therefore, we recommend using a wet cure or some type of proper cure that does meet the ASTM C 309.

FRICTION

Friction ASTM C-1028-96

(A higher number represents increased friction) The untreated sample FD .710 and the treated sample with SS DuraGuard FD .690.

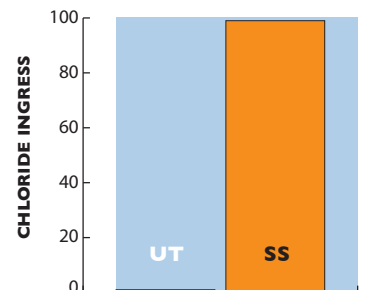


CHLORIDE INGRESS

Conducted under the NCHRP No. 244

“Concrete Sealers for Protection of Bridge Structures.” For a sealer to meet this standard, it must reduce chloride content by at least 75%.

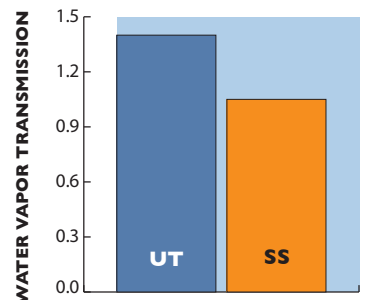
Untreated—0% reduction, **SS DuraGuard—98% reduction.**



PERMEABILITY

Conducted under the CRD-C 48-73

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



WATER VAPOR TRANSMISSION

Water Vapor Transmission ASTM E-96-94

These figures are reported in grains/hour per square foot and show reduced vapor transmission. Untreated 1.40, treated with the SS DuraGuard 1.08

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, SS DuraGuard .1

