

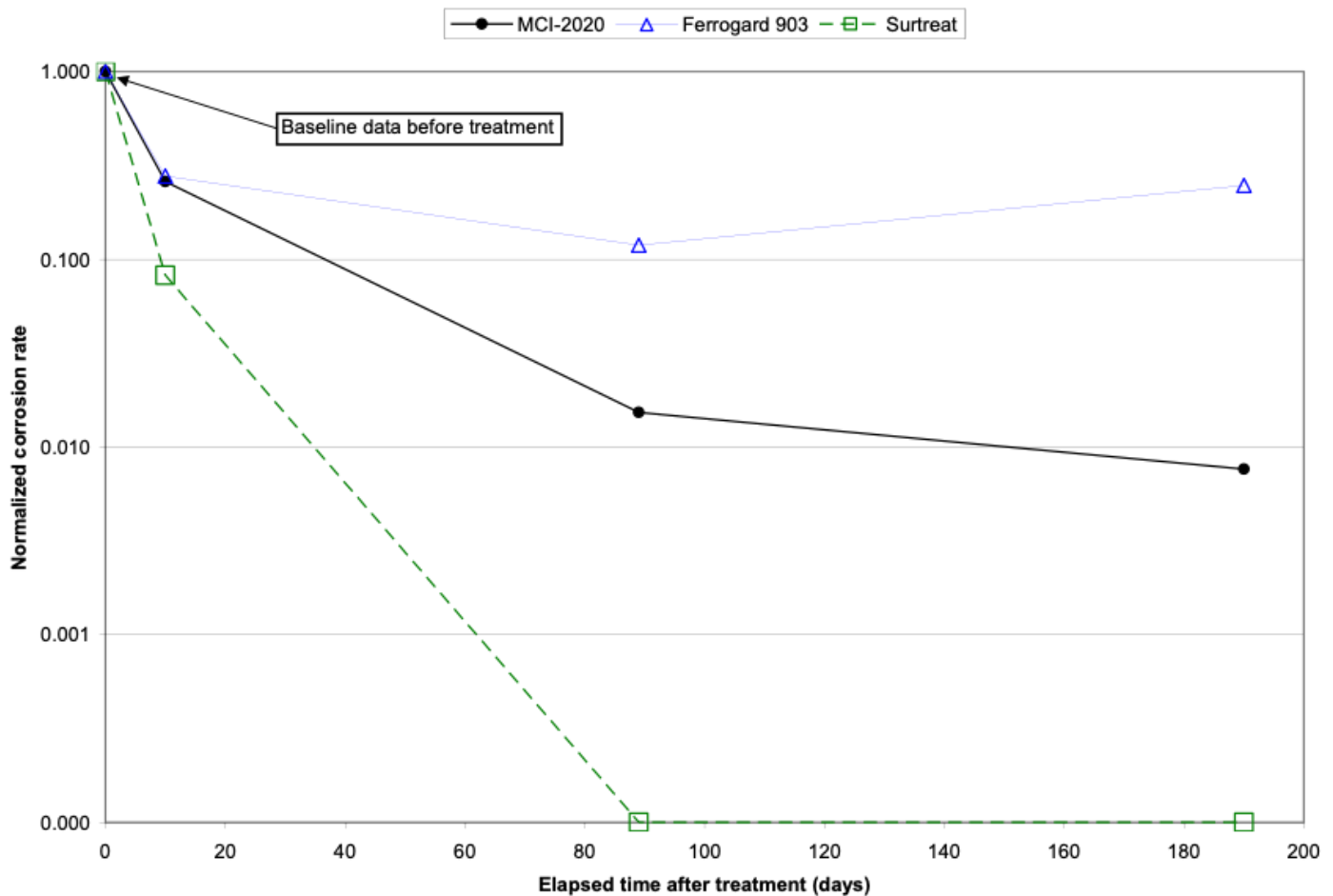
SURTREAT SOLUTIONS COMPETITIVE COMPARISON



SURTREAT® is a migratory corrosion inhibitor that will stop corrosion damage to concrete and reduce future maintenance cost. Surtreat is a solution of water-soluble proprietary compounds plus activators and migratory aids. It is applied to the surface of hardened, reinforced concrete and will:

- **Inhibit rebar or mesh corrosion.**
- **Converts corrosion to an inert compound.**
- **Increase compressive and tensile strength.**
- **Seal the surface and reduce porosity.**

SURTREAT TECHNOLOGY PROVEN TO OUTPERFORM COMPETITORS



Test performed by Wiss, Janney, Elstner Associates, Inc. Honolulu, HI

Surtreat Solutions Inc.
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437 Grant Street, Frick Building #1210 Pittsburgh, PA 15219

QUESTIONS?
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WEBSITE TO
LEARN MORE!



SURTREAT SOLUTIONS COMPETITIVE COMPARISON



SUCCESS STORIES



NASA LAUNCHPAD

Severe concrete deterioration from atmospheric chlorides and fuel emission. Surtreat was applied to solve corrosion issue.



OKINAWA AIR BASE

Surtreat partnered with US A.C.E. to commence a 10-year study of Surtreat's technology applied on structures within two U.S. military bases in Okinawa Japan.



UFGS SPECIFICATION

Surtreat is the only system in the Unified Facilities Guide Specification for migratory corrosion inhibitor that meets the performance requirements.

“The SURTREAT® system, based on measurements of corrosion rate and moisture penetration is effectively protecting the rebar from corrosion. To date, an average reduction in the corrosion rate by 79-80% has been realized.”

**NAVFAC (NAVAL
FACILITIES ENGINEERING
COMMAND)**



SURTREAT® PERFORMANCE CHARACTERISTICS

The performance of SURTREAT® has been verified on numerous projects as well as through extensive independent laboratory testing:

COMPRESSIVE STRENGTH: ASTM (American Society For Testing And Materials) C-42 increased by 300 to 2,000 PSI depending on original strength and number of applications.

WATER PENTRATION REDUCTION: 100% resistance after 14 days exposure to 6 inch column of water. 90% resistance after 24 hours when 100 PSI is applied.

CHLORIDE PENETRATION RESISTANCE: AASHTO T-250 30% decrease in 1 inch depth. ASTM C-672 42% decrease at 2 inch depth.

INCREASE IN HARDNESS: ASTM C-418 14% increase in hardness of new concrete. ASTM C-414 64% increase in hardness of deteriorated concrete. ASTM C-501 1,000 cycles with a 38% increase in wear index.

REDUCED REBAR CORROSION POTENTIAL: ASTM C-876 Half cell potential showed a reduced voltage by 70% for 14 days (0.8 to 0.3).

REDUCED CHEMICAL REACTIVITY: Resists reaction with concentrated hydrochloric acid.

FLEXURAL STRENGTH: Increased from 423 psi to 543 psi.

INCREASE pH LEVEL: Edges of concrete increased from 5 to 9, center of concrete increased from 9 to 12.

WATER SOLUBLE CHLORIDE REDUCTION: Reduced by 58% and 67% at 1 and 2 inches, respectively.

YOUR TRUSTED CORROSION EXPERTS!

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