

Innovation Built On Experience

Steel corrodes, cement crumbles; material deterioration due to harsh elements increases maintenance costs and production downtime. ACTS CerarMix Solutions International distributes and installs CerarMix, a polymer metallic-ceramic composite that can be used either as a coating to repair existing infrastructure or in the manufacture of individual parts and components with superior physical attributes compared to competitive alternatives.

Specifically, the abrasive, erosive, and corrosive preventative properties of CerarMix, as well as its fire resistance, improve the performance and extend the useful lives of products made from fiberglass reinforced polymers, concrete, metals, and bio-materials.

We are ready to assist you with your next project...



ACTS CerarMix Solutions International

www.actcsi.com

877.444.0880

Better

CerarMix creates better abrasion, corrosion, and heat resistance compared to conventional polymer construction.

Faster

CerarMix is applied by our patented nanotechnology CerarSpray system with quick turnaround, reducing asset downtime.

Stronger

CerarMix returns structural integrity to eroded and corroded substrates, adding increased strength and asset revitalization.



Contact Us

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CerarMix Structural Coatings

Minimizing Material Degradation
and Infrastructure Failure

877.444.0800

Commercial
Government

Industrial
Military



**ACTS
CSI**

ACTS CSI goes above and beyond to earn and keep your business!

FREE Project Evaluation and specification inspection

Whether new or rehabilitation design, our dedicated professionals will conduct a fee project evaluation and specification inspection to help your business select the most suitable CerarMix formula and finish for your project.

We assist our customers in achieving long lasting equipment and structure life by recommending the correct CerarMix coating or lining formulations. And when failures occur prior to ACTS CSI's involvement, we help determine the cause of failure and apply that knowledge to improve design, operation or maintenance. ACTS CSI provides a wide array of services encompassing virtually all structures, equipment, exposure conditions and substrates.

ACTS CSI's consultants, engineers and specialists have many years of experience in specific technical disciplines and industries, which give them the knowledge to assist our customers in solving their most difficult problems...the kind no one else can. For more information on how CerarMix technologies can benefit your next project, call 877.444.0880 today!

Experience

From structural integrity to safety and environmental concerns, CerarMix coatings can be applied to not only industrial equipment, but structural elements as well. CerarMix forms a bond with an existing surface as it improves its production capabilities, durability and extends its useful life.

The use of CerarMix to repair existing structures and develop new infrastructure provides unsurpassed advantages!

Improved Life-Cycle

Hardness Barcol: 80 Moh: 9F Compressive Strength ASTM D-759: 16,000 psi
 Tensile Strength ASTM D-307: 9,500 psi Flexural Strength ASTM D-790: 21,300 psi
 Co-efficient of Thermal Expansion 6.5×10^{-6} Water Solubility 0.0095
 Modulus of Elasticity ASTM D-790: 0.9×10^6 Indentation MIL-D-3143F NONE
 Heat Resistance 400° F Continuous / 600° F Transient
 Abrasion Resistance ASTM D-4060 CS-17 Wheel: 0.020gm
 Flammability UAB-DTRC-MIL-STD: 2031 Self extinguishing after 30 min. exposure (800° F)
 Bond Strength Concrete: >400 psi (concrete fails before the bond) Steel: >1,200 psi

CerarMix Specifications