

# ACTS CSI

Manufacturer Of  
Abrasion Resistant

**CerarMix™** For

The Composite Industry



Controlled & Even  
Application With

**AlphaSpray™** System



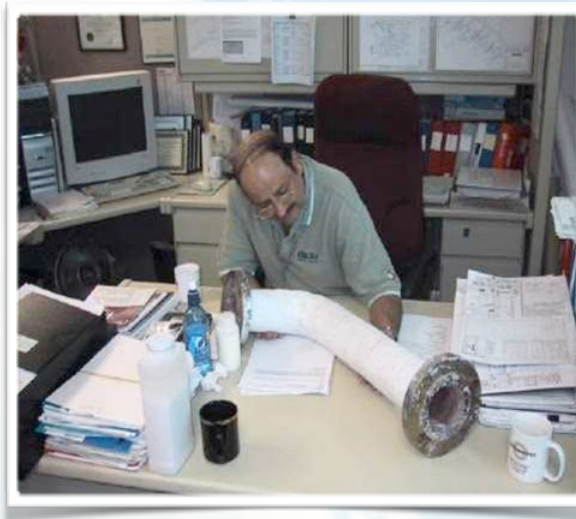
Can Be Integrated With  
Current FRP Fabrication  
Process



Eliminates Air Void in  
Liner

# ACTS CSI

## CerarMix™



*Leaking Pipe, rebuilt with  
**CerarMix™** passed a 24 hour  
steam test at 150psi*

Please call or visit our website

[www.ACTScsi.com](http://www.ACTScsi.com)

800.786.0740

# ACTS CSI

Coating with **CerarMix™**

Abrasion - Corrosion - Erosion



The **CerarMix™** Solution



# Lab Tested CerarMix™ Specifications

## Hardness

Barcol: 80

Moh: 9F

## Comprehensive Strength

ASTM D-759:  
16,000psi

## Tensile Strength

ASTM D-307:  
9,500psi

## Flexural Strength

ASTM D-790:  
21,300psi

## Modulus of Elasticity

ASTM D-790:  
 $0.9 \times 10^6$

## Coefficient of Thermal Expansion

$6.5 \times 10^{-6}$

## Bond Strength

Concrete: >400psi  
(Concrete fails before the bond)

Steel: 1200psi

## Indentation

MIL-D-3143F  
None

## Heat Resistance

400°F Continuous  
600°F Transient

## Flammability

UAB-DTRC-MIL-STD: 2031  
Self Extinguishing  
after 30min  
exposure (800°F)

## Water Solubility

0.0095

## Abrasion Resistance

ASTM D-4060  
CS-17 Wheel:  
0.0020gm



CerarMix™ applied by patented spray system to pipe mandrel creates monolithic void-free liner with superior abrasion resistance.



Our patented application system is faster and denser than traditional methods. It allows customization of materials and laminate to suit production.



The CerarMix™ coats six standard concrete blocks with no mortar or additional support. It withstands over 4000psi

## General Facts

- ◆ Pipe liner will not delaminate
- ◆ Better resistance to abrasion than stainless steel
- ◆ Choice of finishes
- ◆ Reflects 98% incident heat

## Applications

- Power Plants
- Water Treatment Plants
- Sewage Treatment Plants
- Utility Poles
- Coolant Systems