

ALPHAGEN

MANUFACTURER OF
ABRASION RESISTANT
CERARMIX™ for
The Composite Industry



CONTROLLED, EVEN
APPLICATION WITH
PATENTED **AlphaSpray™**
SYSTEM



CAN BE INTEGRATED
WITH CURRENT FRP
FABRICATION
PROCESSES



ELIMINATES AIR VOIDS
IN LINER

ALPHAGEN CERARMIX™



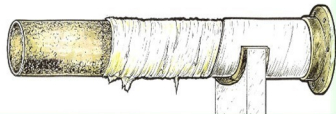
Leaking pipe, rebuilt with
Cerarmix™, passed a 24 hour
steam test at 150 psi.

Please visit our website

www.alphagencoatings.com

ALPHAGEN COATINGS

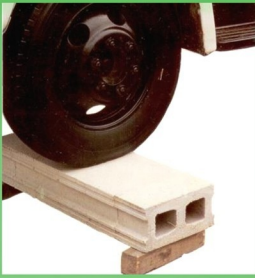
Abrasion - Corrosion - Erosion



Solution: **CERARMIX™**



Patented Materials and
Application System



Cerarmix™ Specifications (Lab Tested)

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

Modulus of

Elasticity-

ASTM D-790:

0.9×10^6

Coefficient of Thermal

Expansion-

6.5×10^{-6}

Bond Strength-

Concrete: >400psi

(concrete fails

before the bond)

Steel: 1,200 psi

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:

0.020 gm



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 4000 psi.

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