

CerarMix™ C1

- Fire resistant
- Does not degrade due to UV
- Mold and Mildew Resistant
- Provides corrosion resistance for FRP, concrete & metals
- Used for pipes, tanks, manholes and covers, protective pole wraps

CerarMix™ AR1 (Similar attributes as C1, provides abrasion resistance superior to stainless steel.)

- Provides abrasion, corrosion and erosion resistance
- Chemical, mining and hazardous materials applications
- Used for pollution control equipment in the power generation industry

Bond Strength: Concrete: >400psi, (concrete fails before the bond)
Steel: 1,200psi

Indentation: MIL - D - 3143F (None)

Heat Resistance: 400°F Continuous, 600°F Transient

Flammability: UAB - DTRC - MIL - STD: 2031
(Aniversity of Alabama/Burn Test - Military Standard -
Self extinguishing after 30 minute exposure 800°F)

Water Solubility: .0095

Coefficient of Thermal Expansion: 6.5×10^{-6}

Hardness (Diamond = 10F): Moh: 9F

Polymer Hardness: Barcol: 80

Comprehensive 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

Abrasion Resistance: ASTM D - 4060 CS - 17

Impingement Test: Negligible loss and 40% improvement over 2205 Duplex Stainless Steel



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