



StoneRok™ Mix



Three Components

- Cementous Composite w/ Reactive Powders
- Blended with several fibers (including Kevlar-like fibers)
- Liquid Acrylic Polymer

Strength Data

Compressive Strength: ≈10,500 PSI
Flexural Strength: ≈1,650 PSI

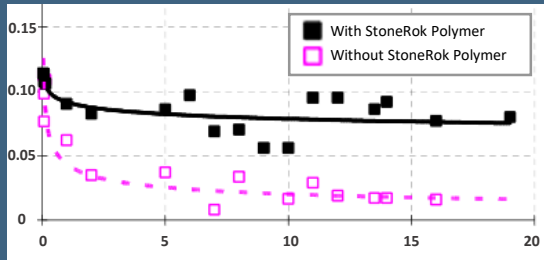


StoneRok Material Development

- Developed over 10 month R&D Trial in collaboration with world-renowned concrete chemist, Hiram Ball using hybrid of 2 material technologies (GFRC and UHPC).
- Multi-component engineered concrete composite made from polymer enhanced, fiber reinforced, high performance concrete.
- High strength allows for a ½” panels for boulder applications and 1” masonry panels (½” thick at mortar joints) for building outdoor kitchen with no substrate.
- Originally designed for extreme water features, requiring high performance with extreme load bearing capacity under a range of environmental stresses.
- Structural aesthetic panels are joined both chemically and mechanically with StoneRok patch mix, creating monolithic rock formation.

20 Year Durability Study

Flexural Strain to Failure
(ε Modulus of Rupture)



Years (Natural Weathering)



Panel Characteristics

- **4x stronger** than wet cast concrete .
- **6x times** greater tensile strength – higher tensile strength creates impact resistant GFRC matrix.
- 2x-3x longer longevity than that of conventional concrete, with improved resistance to freeze/thaw, extreme heat, and weathering.
- Greater color adherence, UV stable.
- Virtually no efflorescence.
- Reduced spider cracking, with soft polymer cushion between hard particles.