produce the high-temperature heat-resistant composite material capable of resisting temperatures to over 2500° F.

**Market Applications:** The composite material has a wide variety of applications where a high strength and fire resistant material is needed; two such applications are structural rehabilitation of bridges, and protective coatings on concrete, steel, brick, and wood structures.

**Advantages:**

- Material can be molded into different forms, or used as a coating.
- Material possesses all the advantages of the current Fiber Reinforced Polymers.
- High temperature resistance of over 2500° F.
- Low-to-room temperature curing process.
- Non-toxic and no VOC during mixing, application, curing, or during its life cycle with no smoke or fumes if exposed to fire.
- Excellent bonding to concrete, steel, brick, wood, and stone.

**Intellectual Property & Development Status:** The coating has been applied and tested on bridge and other structures in New Jersey, Maryland, and Rhode Island with successful results. Self cleaning properties are being assessed. Patents pending for composition of matter and process for making the composite material.