On Space Shuttle missions following the Columbia accident, a powerful sealant was to be made available on all flights to repair external spacecraft damage. Especially important was that the sealant be resistant to extreme heat.

StarFire now has an offshoot line of extreme-heat-resistant polymers called StarPCS, used in the military, aviation, and automotive markets. The product is being tested for use in Formula 1 race cars, both as a heat shield to protect drivers from engine components and as part of a new exhaust system meant to increase horsepower.