Coatings Preserve Metal, Stone, Tile, and Concrete

**Goddard Space Flight Center**

**Adsil Corporation**
*Daytona Beach, FL*

### NASA Technology

- John B. Schutt, a chemist at Goddard, experimented to create super-durable coatings for spacecraft.
- He found that a potassium silicate and zinc coating kept corrosion from forming on steel or metal.
- The formula was used at Kennedy Space Center to protect launch facilities.

### Partnership

- Schutt retired and used his NASA expertise to create hybrids of the formulation for Adsil Corporation.
- Adsil holds patents related to the coatings for anti-graffiti; anti-skid; heating, ventilation, and air conditioning (HVAC) and refrigeration applications; corrosion protection; and concrete or tile sealing.
- The company now markets MicroGuard coatings.

### Benefits

- MicroGuard is used at hotels, restaurants, schools, stores, amusement parks, museums, on outdoor sculptures, in stadiums, and more.
- The spinoff reduces maintenance costs by 13 percent for HVAC and refrigeration, and increases energy efficiency up to 12 percent.
- Adsil has created 150 jobs.