

# 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