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Company Profile

History: Adsil's coatings and surface treatments have their origins in NASA research. Dr. John B. Schutt, a theoretical chemist and former head of coatings for NASA, developed inorganic coatings for rockets and space vehicles to control corrosion caused by extreme UV radiation and rocket exhaust gases. These coatings also were required to withstand high temperature fluctuations. Dr. Schutt's work led him into further research about silicate molecules and zinc filled potassium silicates, a chemical combination which was then successfully tested on the Golden Gate Bridge (San Francisco, 1975) and the internal structure of the Statue of Liberty (New York, 1985).

Following his retirement from NASA in 1991, Dr. Schutt began additional work on developing a range of pre-ceramic, clear coatings that cure at ambient temperatures. These coatings were hybrids of his previous work, resulting in the next generation of inorganic, siloxane coatings. Dr. Schutt was inducted into the NASA Inventor's Hall of Fame in 1995.

Dr. Schutt is now the Senior Chemist for Adsil. The aforementioned work forms the basis of the company's domestic & international patents. Additional research is ongoing and further patents are pending.

Company Overview: Adsil manufactures patented, clear, inorganic, siloxane coatings that protect a wide array of different surfaces. Adsil's inorganic coatings are designed to help extend the life expectancy of equipment and property while lowering maintenance and energy costs. Adsil is setting a new standard of excellence in the field of high-performance product finishes.

The specific markets that Adsil serves include the industrial maintenance & commercial building industry, residential housing and select O.E.M. product finishes. Adsil manufactures protective clear coatings for non-ferrous metal corrosion protection; for mold & mildew mitigation on numerous interior or exterior surfaces; for energy savings on HVAC/R equipment; for producing a stain-resistant, wet-look seal coat on concrete or decorative stone; for sealing grout and hard tile surfaces against staining, mildew growth and burnishing, and so much more.

Product & Services Overview: In the competitive market of coating technologies and surface cleaners, Adsil sets "signature standards" for preserving, prolonging and protecting valuable assets. Adsil's patented technology, covering inorganic protective coatings and treatments has "raised-the-bar" to a level none of our competitor's coatings can match.

To date, Adsil has been awarded three (3) patents, based on the formulae optimization of the work accomplished by Dr. John B. Schutt, building on his decades-long research. Five (5) additional patents are pending. The company currently manufactures and distributes a full line of clear, inorganic coatings stemming from these composition of matter and process patents, under the trademark brand names of Microsil™, MicroGuard®, and MicroKleen™.

These brand names describe our patented family of inert, inorganic, oligomeric, reacted siloxane products, which cure at ambient temperature. These cross-link cured deposits produce a glass-like film that creates an ultra-thin, micron-depth layering of inorganic crystals, which forms an homogenous inter-linking network that chemically bonds to non-ferrous metals and other surfaces.

Adsil Technology Summary:

- Patent #5,929,159 (granted on 07/27/99)
- Patent #6,432,191 (granted on 05/13/02)
- Patent #6,451,382 (granted on 09/17/02)

