



AeroKret Coating

Formerly Aerocoat K Coating

Weathering, Corrosion and Erosion Protection

Elastomeric Nano-Composite

- Tough siloxane base top coat and adhesion promoting epoxy primer
- Hydrophobic
- Flexible and energy absorbing
- Bonds to most of the materials
- Ambient curing – no baking
- Isocyanate, chromate and chloride free

Erosion Resistance

- High speed sand
- Slurry
- Water jet
- Steam droplet
- Cavitation

Environmental Resistance

- Salt spray
- Hydraulic fluid
- Chemical
- Biomass
- Ice

Durability

- Sea water
- Extreme weather
- UV, ozone
- Fatigue stress
- Temperature (-70° to 400°F)

We Offer --

- Supply of ready-to-spray coating solution and paste
- Coating customer samples and parts
- Training on coating spray

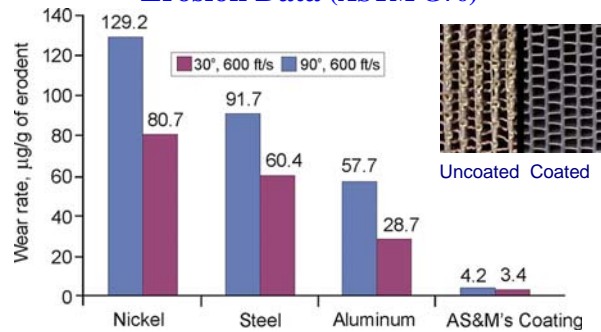
Availability

- Topcoat paste in 1-quart can or 1-gallon can (The customer can add solvent to the paste to make it sprayable)
- Topcoat solution in 1-gallon can or 5-gallon pail
- Primer (Part A and Part B) in quart or gallon

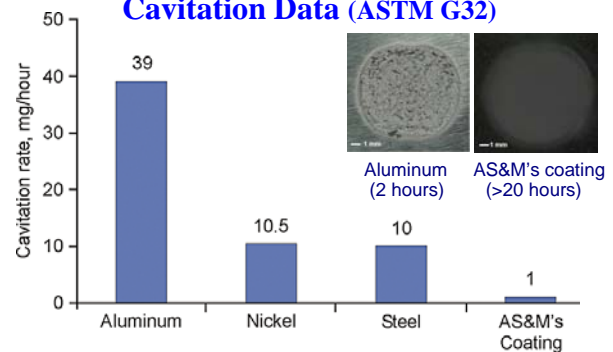
Flexible and Adherent



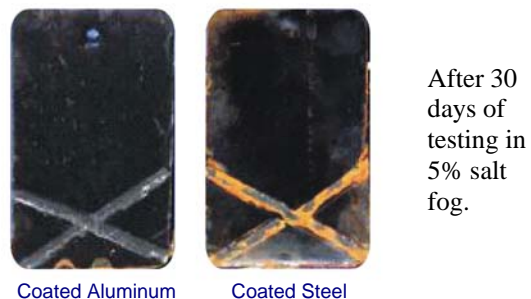
Erosion Data (ASTM G76)



Cavitation Data (ASTM G32)



Corrosion Data (ASTM B117-97)



Industry	AeroKret Coating Applications
Aerospace	Compressor blade, Fan blade, Propeller, Radome, Rotor, Thrust reverser sleeve
Manufacturing	Agitator, Blower, Condenser, Fan, Impeller, Tank, Tube, Valve
Marine	Buoy, Heat exchanger parts, Hull, Lift fan paddle, Propeller, Rudder, Shaft, Sonar dome
Mining and Mineral Processing	Heat exchanger, Hydro cyclone, Mineral handling equipment, Pump, Radiator fan, Valve
Oil and Gas	Mud port, Off-shore structure, Pump parts, Oil well down-hole equipment, Slurry pipe, Valve
Paper	Chute, Conveyer, Cyclone, Fan, Filter, Pipe, Pulper, Screen
Power	Ash handling equipment, Compressor blade, Cooling system, Fan blade, Valve, Wind turbine blade
Waste Treatment	Cyclone, Incinerator parts, Mixer blade, Sewer pipe, Treatment tank
Water and Waste Water Treatment	Hydraulic structure, Hydro cyclone, Pipeline, Screen, Sludge tank, Sluice gate, Submergible pump

AeroKret Coated Parts



Sound Attenuation Blankets
(vinyl fabric) (200 sq. ft coated area)



Air Intake Pipes (steel and lead)
(4' x 1')



Compressor Blade
(stainless steel) (14" x 10")



Fan Blades (steel)
(5')



Heat Exchanger Head (steel)
(24" x 18")



Antenna Shells (composite)
(12" x 12")



Helicopter Rotor Section
(composite, Ni, Ti) (12" X 18")



Transcowl (composite)
(12" x 8")



Analytical Services & Materials, Inc.
107 Research Drive
Hampton, VA 23666
Data Sheet: AEROKRET-A ©3-07

Tel. 757 865-7093 ext. 304
Fax 757 865-7309
Website: www.asm-usa.com
Email: aerokret@asm-usa.com