

SDS-bIONic Metal Coat

Nano-Technology Corrosion Protection

Metal surfaces need protection. The sun and the elements attack metal surfaces constantly. Traditional coating methods have become less and less effective and use adhesives which then peel, flake and bubble.

Surface protection now takes a technological leap forward with SDS-bIONic Metal Coat.

SDS-bIONic Metal Coat is new molecular science using nanotechnology to create a covalent and ionic bond with the substrate. This eliminates voids and forms an entirely new clear surface which provides superior resistance to moisture, corrosion, rust, salt spray, acid rain, UV damage, oxidation, galvanic corrosion, wind drag, dirt buildup, and ice buildup.



SDS-bIONic Metal Coat can be sprayed on, rolled on, brushed on or dipped, is fast drying and requires only one coat in most cases which saves on labor and maintenance costs.

- Easy to Apply
- Lasts Longer
- Works Better
- Cost-Effective
- Under 100 VOCs
- Acid Resistant
- Non-conductive
- UV Stable
- Thin & Lightweight
- Repels Water & Dirt
- Creates Non-Toxic New Surface
- Cleans Easily Without Harsh Chemicals
- Graffiti Protection



SDS-bIONic Metal Coat protects:

Aluminum, copper, bronze, galvanized steel, stainless steel, powder coated metals, as well as primed and painted metals like iron and steel.

Against:

Moisture, corrosion, rust, salt spray, acid rain, UV damage, oxidation, galvanic corrosion, wind drag, dirt buildup, ice buildup and graffiti.



SDS-bIONic Metal Coat FAQ (Read full Data Sheet before Application)

Available in Clear Gloss or Satin or with one of 20 color stains.

Coverage: 640-800 sq ft./gal (approximate)

Spread rate: Wet mils: 2.0-2.5 Dry mils: 0.7-1.75

Surface Prep: Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and silicone. Use SoSafe Spray Away Boosted for unpainted surfaces and/or SDS Cleanwix

Caution: Always wear OSHA approved Respiratory protection, Safety Goggles and Gloves. Provide fresh air and exhaust in the work area.

Application: Brush on, roll on, or spray on. As with most final finishes it is best to spray on to achieve optimum finish and appearance

Drying Time: (@ 77 F, 50% RH): (higher humidity speeds dry time)

Touch: 2-3 hours • Through: 3-5 hours • Full Cure: 7 Days

Clean Up: Clean tools and equipment immediately with acetone as once coating dries it cannot be cleaned off with acetone.

Maintenance: Wash periodically with plain water. Use mild cleaners like SoSafe Graffiti Remover Red to remove Graffiti.



ASTM C1353-09

SDS-bIONic Metal Coat scored an average of 39.11 on the Taber Abraser test, scoring better in resistance to wear than granite (28-32).

ASTM D1654-08

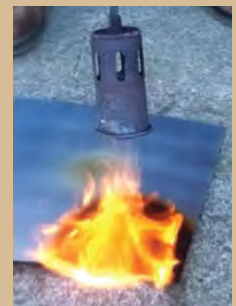
SDS-bIONic Metal Coat scored a 10, which is the highest rating and indicates no rust or corrosion after 7 days of Cyclic Salt Fog/UV Exposure and 7 additional days in a QUV Accelerated Weathering Tester.

SCAQMD & PROP 65

SDS-bIONicMetal Coat contains less than 100 g/L VOC and exceeds SCAQMD Rule 1113 requirements, the highest air quality control standards in the United States. SDS-Bionic Metal Coat contains no known carcinogens under Proposition 65, California's Drinking Water and Toxic Enforcement Act of 1986.

3 Minute Flame Test

Mild steel coated with SDS-bIONic Metal Coat was heated with an 1800 degree propane torch for 3 minutes. While the metal darkened beneath, the Metal Coat coating did not ignite, blister or peel and retained its protective abilities.



30 Day Corrosion Test



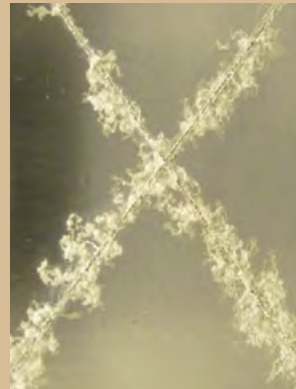
Treated Mild Steel



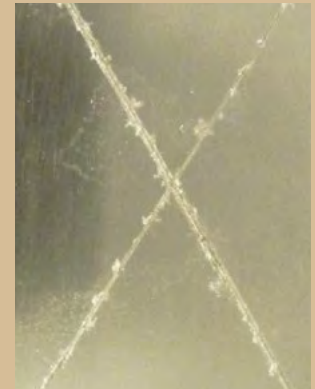
Untreated Mild Steel

1000 Hour Filiform Test

Brass samples were scribed with an X, exposed to NSS for 23 hours and placed in humidity cabinets set @40°C and 80% RH for 1000 hours.



Powder Coating



Metal Coat

SDS-Bionic distributed by: