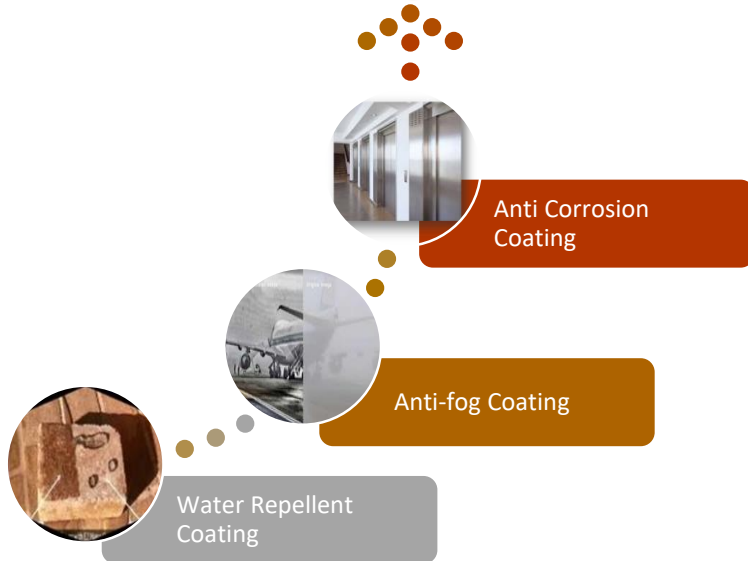


Transparent Nanostructured Coatings for Domestic and Industrial Applications

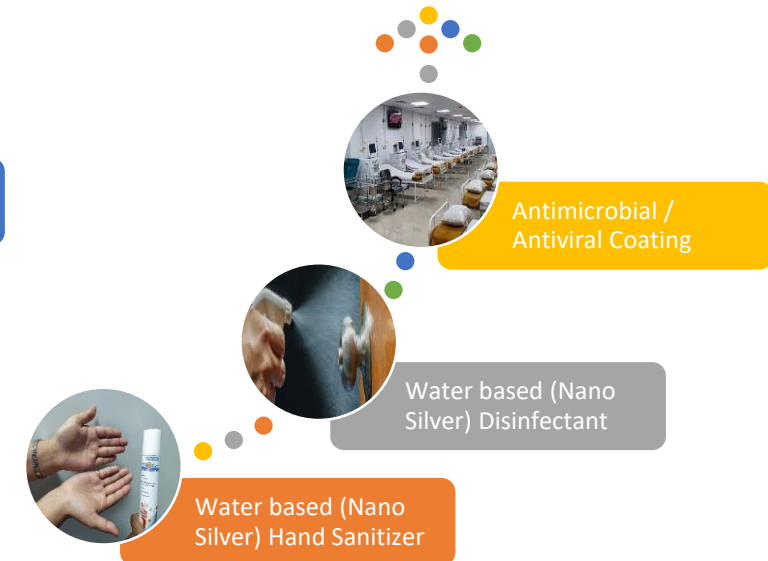
Protective Coatings

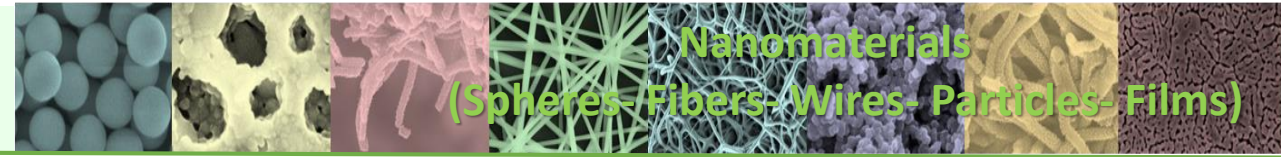


Energy Saving Coatings



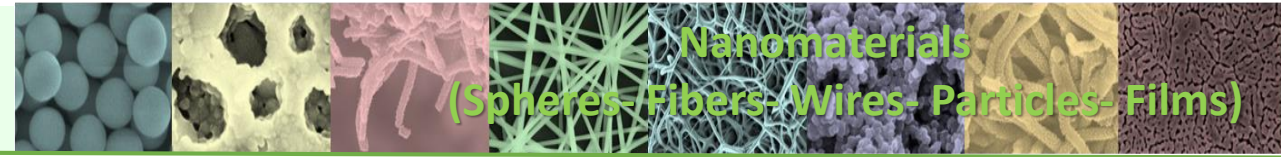
Healthcare Coatings





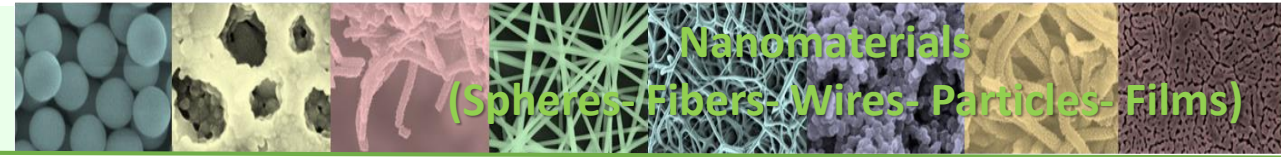
Transparent Anticorrosion Coating for Domestic and Industrial Applications





- Introduction
- Concept
- Properties
- Technical Features
- USP of Ant Corrosion Coating
- Applications
- Applications sectors





Introduction

Innovative Nanostructured Coatings for Building, Façades and Construction Applications

We offer:

1. Tailor made - Coating Specifications for Customers
2. High Performance & High Quality Coatings
3. Smart and Intelligent Coatings
4. Indigenous developed and Cost effective Coatings
5. Reliable & Sustainable Coatings
6. Aesthetic appeal and easy to apply Coatings
7. Low Maintenance and Energy Efficient Coatings
8. Free installation and Service for applied Coatings
9. Feasible coating process for any surface application
10. Environmental-friendly Coatings

Nanostructured Multifunctional Anti Corrosion Coatings

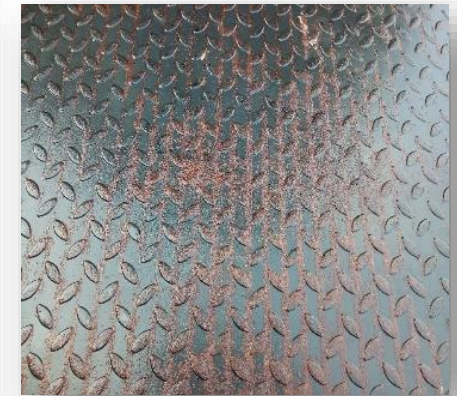
Transparent Anti corrosion coating is a nano-engineered coating incorporated with nanocorrosion inhibitors for SS surfaces. The coating provides superior protection to metal structures (SS) prone to high corrosion rates (SO₂/ NH₃ environments).

RECOMMENDED SYSTEM:

- ❑ **Applicable Surfaces:** SS Surface
- ❑ **Coating Equipment:** Brush, Roller or Airless spray
- ❑ **Coverage Area:** 8 m² /Lt @ 100 μm (WFT) for two coats
- ❑ **Drying time:** 1 hrs (Recoat Frequency: 16 hrs)
- ❑ **Thinning:** 0-10% thinner
- ❑ **Packaging:** Available in 1,4 & 20 lts



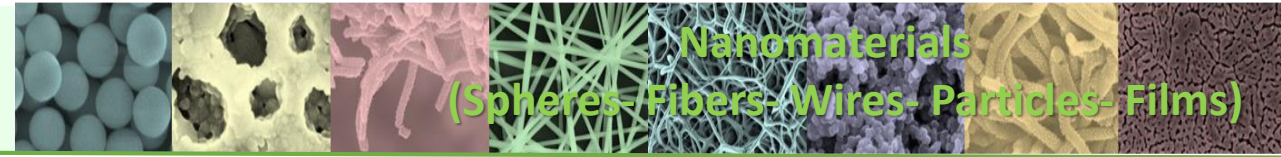
SS with out coating



SS with primer coating



Stainless Steel with anti corrosion coating

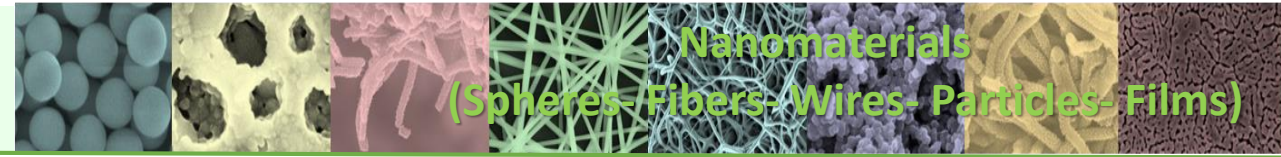


Nanostructured Multifunctional Anti Corrosion Coatings

Advantages

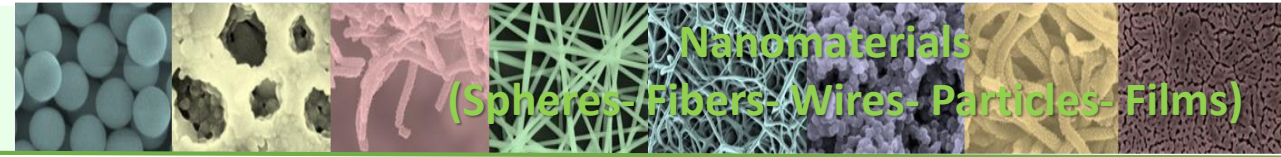
- ❑ Solvent based anti corrosion coatings (on SS surfaces)
- ❑ Easy to apply, eco-friendly and cost effective anti-corrosion coatings
- ❑ No hazardous materials in coating formulation unlike existing formulation
- ❑ Self healing property upon scratch on the coating surface
- ❑ Highly durable, highly reliable coatings in harsh environment
- ❑ Prevents from bacterial and fungal growth on the surface
- ❑ Topcoat with water repellent surface further inhibits corrosion
- ❑ Long lastings to Acid / Saline / Basic atmospheres (above 5 years)





Nanostructured Multifunctional Anti Corrosion Coating

PROPERTIES	RESULTS
Appearance	Clear thin liquid
Colour	Colourless
Solid content	12 - 15 wt%
Slat Spray Test (5wt% NaCl, 40RH)	1200 h
Methods of Application	Spray or brush
Surface dry, minutes	1h
Specific gravity @ 30°C, gms/ cc	0.92
Flash point, °C	28 - 30
Theoretical Spread Rate, (sqm/lt)@ 10 microns DFT	10
Standards Tested	Condensation and abrasion resistance as per BS 1096, SST- 1200h for SS and 980 for Al



Nanostructured Multifunctional Anti Corrosion Coating

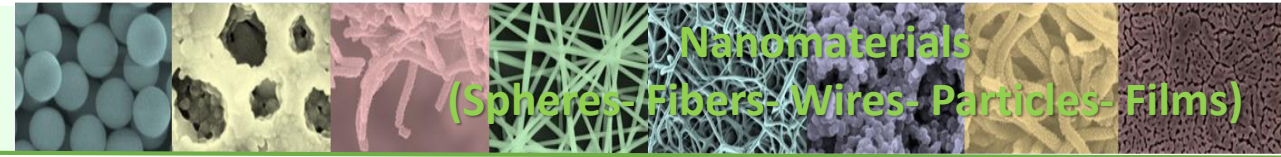
Method of Application

Surface Preparation

- Make sure the surface is cleaned and made dust, oil and polymer free
- The dirt can be removed by wiping with glass cleaner solution.
- Once dust and grime are removed using the cleaner, water flushing has to be done to remove any residual cleaner
- Any polymer film on the glass must be removed before application of the coating
- Allow the surface to dry completely before the application
- The spray gun has to be completely moisture free

Application Procedure

- Fill the spray container with the coating solution
- Hold the spray gun at 1-foot distance from the substrate
- Now spray uniformly over the substrate horizontally and vertically at 1 foot distance
- Let the coating dry for 1 hour (It should not rain during drying hours)
- Repeat steps 1 to 4 for coating the second layer



Nanostructured Multifunctional Anti Corrosion Coating

Precautions

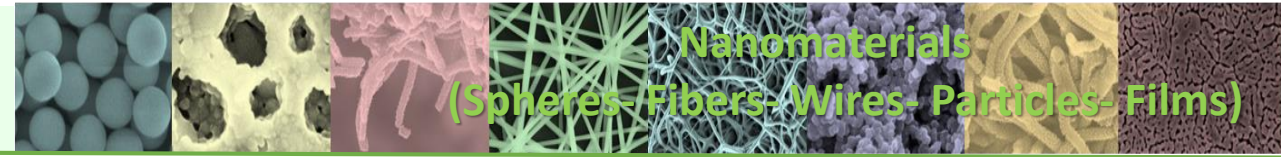
- Keep the lid tightly closed to reduce evaporation losses and increase shelf life of product
- Do not apply excess material at one spot.
- The spraying motion should constant and uniform

Safety Guidelines

- Do not breathe vapour, use solvent mask to avoid inhalation of vapours
- May be harmful if swallowed. In case of ingestion seek immediate medical attention
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- Wear gloves and in case of skin contact immediately wash skin with soap and plenty of water
- Do not pour leftover coating down the drain or in water course

Shelf Life & Storage

- When stored in an unopened condition in a cool and dry place shelf life is 12 months



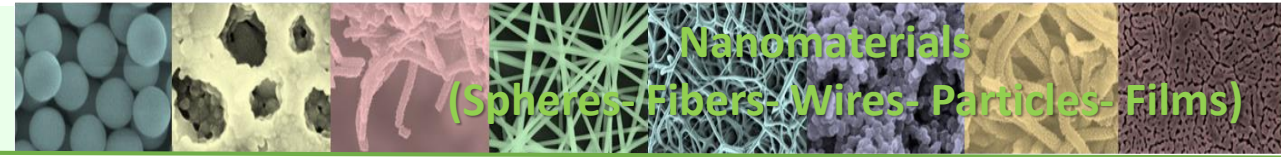
Nanostructured Multifunctional Anti Corrosion Coating

Applications: (on Stainless Steel)

- Pre engineered structures
- Construction Structures
- Naval Structures
- Acid contact areas
- Industrial equipment
- Chemical Storage tanks
- Metallic Sheets

Rust-O-Clear Features





International Standards Tested

Visible Transmittance

- 99 % --(BS 1096 2)

Water Resistance

- > 100 % -- (Relim Test)

UV Transmittance

- > 95 % --(BS 1096 2)

**Resistance to accelerated weathering:
1200 hours (ASTM B117) for SS / Al**



Abrasion

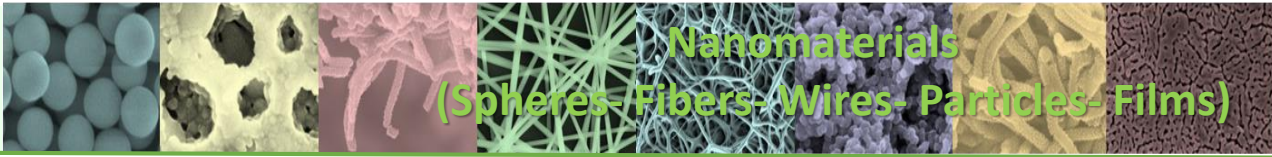
- 500 Strokes --(BS 1096 2)

Adhesion

- Tape Test (ASTM D3359)

Touch Dry

- < 45 minutes (ASTM)



Applications of Transparent Rust-O-Clear Coating:

Sector-1: Individual Homes, Apartments, Villas, Resorts, Hotels, Restaurants, Temples (Government / Private)

Sector-2: Industrial sheds, Chemical / Pharma / Biotech companies solvent tanks, Cold storage sheds, Hospitals from various states, Ashrams, Schools (both Government and Private from different states)

Sector-3: Aquaculture, Horticulture, Poultry sheds, car show room sheds, Rice mills, brick industry sheds

Sector-4: Industrial roof shed Coil manufacturers, Asbestos Sheet manufacturers, Seeds storage sheds,

Sector-5: Middle east countries, African Countries, Turkey, Iran, Egypt, Australia, USA (southern part) and North American countries, Sri Lanka, Bangladesh, Burma, Thailand, Malaysia, Singapore, Philippines, etc.,

Sector-6: Direct approach of MSME (from different states)

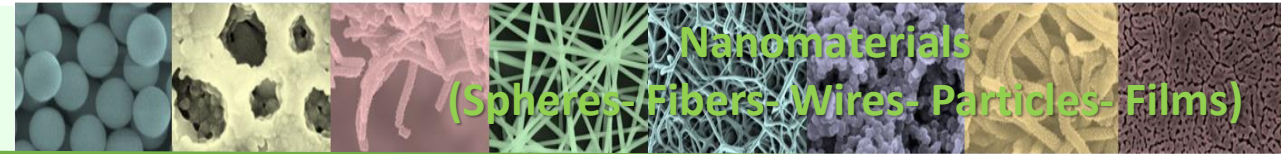
Sector-7: Ceramic association, Metal association, Pharma parks, Industrial parks, Biotech parks, Malls roof tops

Sector-8: Containers in Harbour, Containers carrying cold items (prawns fish etc.,)

Sector-9: Defence, Air force, Naval – sheds, tents and other areas etc.,

Sector-10: Government: Airports roofs, Railways Sheds, compartments, Food corp. India (FCI) sheds, Buses and bus stands





Make your Building Corrosion free..... and save energy

**Thank You for
Your Kind Attention**

Looking forward for fruitful Business...

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