

NanoRustX LLC presents a new class of coatings that is revolutionizing the industrial coatings industry.

NRX™ is a new class of coating that is changing the industrial coatings industry, acting as a rust converter and primer

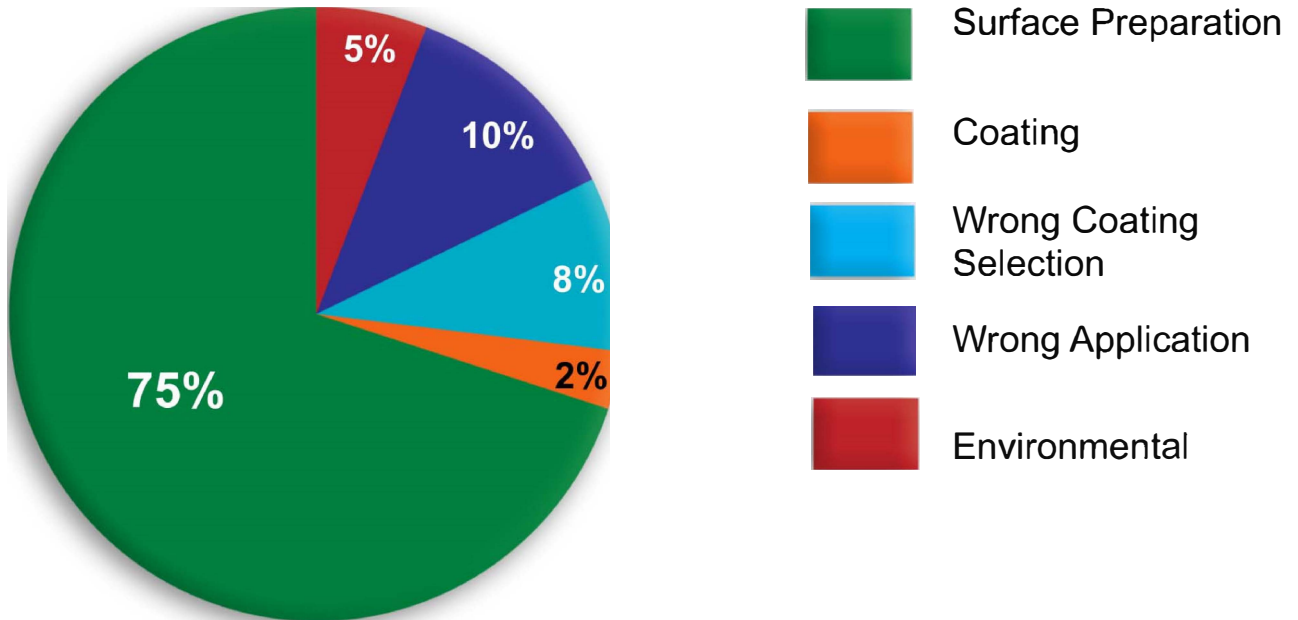
The **NRX™** water based primer Nanoprime, eliminates the necessity for expensive and time consuming surface preparation such as sand blasting with a simple, lower cost, low pressure power wash. Nanoprime is designed to be applied on rusted damp or dry surfaces to cure and protect the substrate.

Nanoprime forms the base for many of the high performance top coats from various international suppliers.

The problem: About 70% of costs and 75% of failures are caused by surface preparation



Why Do Coatings Fail?



NRX™ is the solution to the problem



JUST PRESSURE WASH (3500psi)

- No blasting
- No heavy protective gear
- Chemically reacts for perfect adhesion & top performance
- Quick drying – saves time



AND COAT

- No VOC's
- Safe and simple to use
- Non-flammable
- Long shelf-life
- Primer for many top coats

NRXTM- How does it work



NRXTM works by chemically reacting with iron and iron oxide (**rust**) to form iron phosphate and creates a Nano bond with other metallic and painted surfaces.

The chemically bonded layer is insoluble and extremely corrosion resistant. This “bonding” process also provides for extremely good adhesion and flexibility.

The chemically bonded layer stops under film corrosion that occurs when conventional coatings are damaged. The elasticity of **NRXTM** makes it very durable in temperature variations from -67°C to +200°C (-90°F to 400°F).

The solution to corroding galvanized structures



Coating Galvanized steel with just a power wash



The above structures can be coated after a low pressure power wash. The **NRXTM** coating will react with both the galvanized areas creating zinc phosphate as well as the corroded steel, to provide excellent long term corrosion protection.

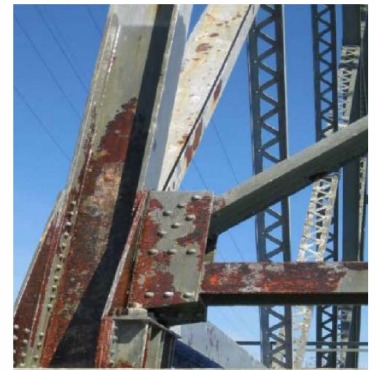
Long term salt spray testing proves that one coat of **NRXTM** coating will more than triple the life of a galvanized steel structure.

NRX™ solves infrastructure maintenance problems.



Infrastructure coating requires extensive protection from the sand blasting operation. NRX™ does not require sand blasting, is non-toxic and contains no VOC's.

Power utilities have equipment in areas that makes maintenance difficult due to environmental regulations: NRX™ solves this problem.



Nanoprime is compatible with low VOC high performance top coats available on the market, eliminating elaborate surface preparation while enabling the use of specified/ required top coats.

Maintenance of ships and off-shore installations



Formosa Marine Corp. has tested the coating for over two years

Formosa tests:

- *Test 1 - Ship was coated on shore and tested after 6 months at sea.*
- *Test 2 - was done while ship was at sea, as proof of ability to perform maintenance while under way.*



Results showed that it was easy and safe to apply the coating and met the performance requirements of a marine environment.

Marine applications in construction and off-shore maintenance



Off-shore oil rigs

- Marine construction projects such as off shore gas production and oil rigs.
- Supporting fleet maintenance of ships at sea.
- Maintaining dredging ships during operation

In a paint demonstration project on an off-shore oil rig in the Gulf of Mexico using NRX Primer coating, the project was completed in 1/3rd the time compared to conventional paint.

NRX™ as a maintenance tool



- **NRX™** dries quickly in air – 30 minutes dry to touch - 2 hours at 20°C (68°F) for a second coat.
- **NRX™** reacts with existing paints, as well as the corroded steel areas, so maintaining old painted structures is easy and durable.

Before



After