NewEraSeal™ Fortress Kote

A Fast-Curing Nanotechnology - Creating an Extreme Bond on Surfaces

Product Info

NewEraSeal™ Fortress Kote is a low VOC epoxy coating that provides excellent corrosion, chemical and abrasion resistance verified by several ASTM tests. It is a fast-curing nano cycloaliphatic amine (NCA) epoxy coating that integrates with a surface

to create an extreme bond. **NewEraSeal™ Fortress Kote** can be applied with a brush or roller for smaller areas and an air or airless spray gun for larger surfaces.

Where to Use

Any exposed metal or concrete surface including:

- Brine Water and Water Storage Tanks (Interior/Exterior)
- Metal Roofs and all other metal surfaces
- Concrete Floors, Walls, Ceilings (Interior/Exterior)
- Plywood
- Metal Supply Pipes (above and below ground)
- Moisture Barrier for Roof Decks
- Automotive Undercarriage for Trucks and Trailers
- Parking Decks
- Garage Floors
- Storage Buildings/Warehouse

Agriculture and Farming

- Agriculture Chemical Handling and Storage Equipment
- Farming Equipment
- Hog Confinement and Animal Manure Storage and Handling Equipment

Marine

- Marine Terminal Structures and Equipment
- Aluminum, Steel or Fiberglas Boat Hulls, and Superstructure
- Marker buoys
- Dock decks
- Dock bollards

Water/Wastewater Treatment

- Concrete and Galvanized Underground Sewage and Water Pipes
- Holding Tanks (clarifiers, digesters,
- Water and sewage piping (above and below ground)
- Pump Stations / Utility Rooms

Industrial

- Cell Phone Towers
- Antennae Towers
- Fuel Storage Tanks (above and below ground)
- Storage Silos
- Grain and Salt Storage Silos (Metal and Concrete)
- Oil Drilling Rigs On & Offshore
- Oil Platforms
- Mining and Fracking Water Storage and Handling Equipment
- Railroad and Shipyard
- Pump Stations
- Receiving Docks
- Transport Piping
- Steel Pilings

Benefits

- Coating is self-priming
- Unmatched flexural strength and abrasion resistance
- Fast cure time
  (see Use Instructions Document)
- Will not off gas VOC's or leach any component into water
- Odor reduction

Confirmed Testing

- MIL-PRF-4556F – Fuel Tank Paint Performance Requirement: Pass
- MIL-DTL-24441D – Ship Paint Performance Requirement: Pass
- ASTM D 4060 – Abrasion
- ASTM D 4541 – Pull Off Strength (1,735 psi)
- ASTM G 8 – Cathodic Disbondment
- NACE TM-01-74 – Chemical Immersion
- ASTM D 870 – Water Resistance
- ASTM B 117 – Salt Fog Spray Method for Corrosion Resistance (1,000-hour test)

Two Packaging Components: Part A (*Amine*) and Part B (*Epoxy*)

Ready to Use? Comes in two parts
Sizes/Both: 2-gallons (1-gallon Part A & 1-gallon Part B
4-gallons (2-gallon Part A & 2-gallon Part B
5-gallons (2.5-gallon Part A & 2.5-gallon Part B
Appearance/Both: Moderately Viscous Pigmented Liquid
Fragrance Part A: Mild
Fragrance Part B: Sharp Amomonia
Flash Point Part A: 83 degrees
Flash Point Part B: 200 degrees
Net weight per gallon/Both: 13.10 ± 0.25 lbs. (Slightly varies between colors)
Shelf Life/Both: 24 months at recommended storage temperature
Storage/Both: 40° F and 90° F
Compliance/Both: Full VOC's, Ozone Safe, non-pollutant for air, water, soil

Chemical Resistance Range

- Aliphatic Hydrocarbons
- Ammonium Hydroxide 10%
- Aviation Gas 100/130
- Boric Acid 5%
- Ethanol 190 to 240
- Sulfuric Acid – 20% solution
- Liquid Fertilizers
- Hydrogen Peroxide 3 to 5%
- Isopropanol
- Potassium Hydroxide up to 40%
- Sodium Hydroxide up to 50%
- Toluene
- Xylene
- Brine water 180,000 ppm
- Dry Fertilizers