

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 fastcuring 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
- 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**