

VR-514 Air Dry Phenolic Coating

Our 50 years of coating history speaks for itself.

In 1964, Heresite was the first company to apply coatings to aluminum-finned, copper-tubed heat exchangers. The Heresite coating became then, and still remains a standard in the industrial coatings industry. We provide the highest quality protective coatings for air conditioning and refrigeration systems that operate in moderate to severely corrosive environments, including both coastal and/or industrial applications.

New formulation for an easy application, air-drying phenolic

Thin film, air-drying phenolics are excellent for resistance to corrosive fume atmospheres, and are particularly good in marine and salt air environments.

HERESITE VR-514 air-dry phenolic coating is specially formulated to permit application by brush, spray or roller. Some of its outstanding properties are excellent durability, good adhesion, good film building characteristics and flexibility.

When cured, VR-514 will produce a hard, corrosion resistant film, recommended as a heavy-duty coating for exposure to splash, spillage and fumes.

Successful applications include: HVAC equipment, agricultural implements, chemical plants, canning factories, construction equipment, marine finishes, steel plants, sewage disposal plant, textile industry, underground and underwater service and ventilating systems.

VR-514 is a primer-finish combination material specially formulated for marine/salt water environments.

When the finished product is going to be exposed to direct UV rays, one topcoat of Heresite UC-5500 or UC-5504 is recommended.

VR-514 Typical Properties

Salt Spray ASTM B-117: Passes 1,000 hours as primer-finish. Passes 3,000 hours with UC-5500 topcoat.

Dry Heat: Withstands 200°F with excursions to 250° without damage

Flame Spread Test ASTM E-84: 18.4 on a scale of 0-100 (oak wood = 100)

Smoke Density ASTM E-84: 5

Bend Test: ASTM D522: Passes 1/2 inch mandrel

Meets Mil Specs: Mil-C-18468, Mil-V-1137 and Mil-V-134897

Pencil Hardness ASTM D-3363: 4H

Adhesion ASTM D-4541: > 750 psi

Impact Resistance ASTM D-2794: Direct > 25 in/pound
Indirect 13 in/pound

Heat Transfer: Loss less than 1% for finned tube coil applications

Meets FDA 175.300 for indirect food contact