

Carboline Coated Condenser

Reduce maintenance costs by protecting components in the condenser section from corrosive elements in the atmosphere around your application

Available for all InPac and AirPak AC systems



Features and Benefits

- Reduces/eliminates the potential for degradation of components from highly corrosive atmospheres
- In conjunction with our corrosion resistant coil coatings, provides our best available protection against corrosive salt water environments
- Reduces/eliminates the need for additional on-site protection
- Drastically reduces maintenance time, repairs, and downtime

Providing a protective barrier for your AC system

Because the condenser sections of HVAC units remain outside and are therefore constantly exposed to the environment, systems designed for a corrosive atmosphere should include multiple types of protection. As the final stage in corrosion protection, Specific Systems makes available Carboline protection for the condenser sections of any unit. Applications such as refineries and processing facilities, especially offshore, will benefit greatly from the additional protection Carboline provides to otherwise unprotected equipment.

Corrosion Resistance Properties

Exposure	Immersion	Splash & Spillage	Fumes
Acids	NR	Fair	Very Good
Alkalies	NR	Good	Excellent
Salt Water	Excellent*	Excellent	Excellent
Solvents	NR	Good	Excellent
Water	Excellent*	Excellent	Excellent

*Discolors to grey

The Carboline used by Specific Systems is a single coat modified epoxy, applied to a depth of approximately 5 mils. The epoxy is filled with aluminum flakes that greatly increase the distance water must travel in order to reach the underlying components. Combined with their reflective properties, the aluminum flakes help to prevent the harmful effects of ultraviolet rays, thereby protecting the system in all weather conditions.

Carboline is used in many industries to coat structural steel, fire escapes, water towers, bridges, and oil tanks. Carboline has outperformed competing products in multiple standard tests, including the Weather-Ometer, salt-fog, and coastal site evaluation.

Carboline is applied in the final stage prior to shipping, after the unit has been assembled and all the coils have their requested coatings. The entire condenser section of the unit, including cabinet, fans, motor, and piping, is sprayed with the coating. Component labels are masked off to allow for service and technical information access. The coils themselves do not get coated with Carboline, since they generally have corrosion protection such as Heresite, Technicoat or E-Coat baked on before assembly, and additional coating would be unnecessary and interfere with airflow.