

COILPROTEK

PROTECTS EVAPORATOR COILS & CONDENSING UNITS



TECHNICAL DATA SHEET

CoilProtek prevents the oxidation and degradation of aluminum heat dispersion fins, copper tubes and other non-ferrous components that make up the structure of air conditioner condensing units and evaporator coils. It helps by protecting these aluminum and copper components in corrosive atmospheres, extending their life and maintaining the capacity of the air conditioning while stabilizing the power consumption and enhancing overall performance efficiencies. The surface slip inherent in the coating prevents airborne debris from attaching to these surfaces and thus allows easier cleaning with pressurized air and water.

CHEMICAL DATA:		PHYSICAL DATA:	
NVW (%)	>20%	Koenig Hardness	80
pH	7.5 - 8.5	Good Weatherability	
Visc. (cps)	1000	Quick drying with excellent surface hardness	
Flash Point	>201°F	High abrasion resistance	
Chemical Stability	Stable	Excellent blush resistance	
Polymerization	Does not occur	Good chemical resistance	
Storage	55 - 77°F	Resistant to water, oils and mild acids	

APPLICATION: **CoilProtek** can be applied via brushing, spraying or a dipping process. It should be applied to clean metal for best adhesion and long term protection. Cleaning of new metal can be carried out by pressure spraying with industrial detergent followed by rinsing with clean water. Pre-existing rust and oxidation should be removed using appropriate methods and ensuring that there is no residual cleaner or other contaminant left on the metal surfaces. **CoilProtek** may be applied to all copper, aluminum and other non-ferrous and plated ferrous surfaces. For ferrous surfaces the use of Liquiguard PC is advocated.

USAGE: It is best to apply **CoilProtek** to new equipment prior to assembly. This enables application of the coating on pristine metal and in hard to reach areas. It is advisable to clean the coil assembly of any residual grease, oil or other manufacturing contaminant, prior to the application of **CoilProtek**. A minimum of two coating application is recommended which will result in a dry film thickness of approximately ≤ 10 microns. Depending on the ambient temperature 15 to 20 minutes of drying time should be allowed between coatings. The coil assembly should be ready for installation about an hour after the application of the final coating. When applying **CoilProtek** to a pre-existing system it is important to ensure that there is no oxidation or other deterioration on the object prior to the application of the coating. The coating will not be able to provide optimal protection unless it is in direct contact with clean metal.

COATING LIFE: **CoilProtek** when applied according to suggested guidelines on correctly prepared surfaces will provide protection from environmental degradation for at least 2 to 3 years, if not longer. Regular maintenance with a fresh coating of **CoilProtek**, after lightly pressure cleaning the coil, will greatly enhance the useful life of the system. Do not allow oxidation, rust and other deterioration to set in before re-application as it will require a lot of preparation work to get the coil surfaces ready for the coating. Clean all equipment, tools, etc. with clean fresh water, after each use. **CoilProtek** has a shelf life of 2 years when stored in sealed containers at the recommended temperatures. Exposure to freezing and intense heat should be avoided.