



# SaveCoil 101

## Corrosion Resistant Coil Coating

for

## Air Conditioning and Refrigeration Coils

### COATING TYPE

Modified Phenolic applied over chemical bond by *flood coating followed by baking*. **CAUTION: SaveCoil 101** should not be confused with less effective, *spray applied and air dried* coil coatings. These tend to become excessively brittle and flake.

### DESCRIPTION

Chemical resistant organic coating for air-conditioning, refrigeration and heating coils with approximately 3100 hrs. salt spray test rating. Provides good protection in many corrosive environments.

### THERMAL CONDUCTIVITY

**SaveCoil 101** has a "R" factor of less than 0.17

### DIELECTRIC PROPERTIES

**SaveCoil 101** is a non-conductor and will provide effective electrical insulation; this greatly reduces corrosion caused by stray galvanic currents resulting from the presence of dissimilar metals.

### APPLICATION

**SaveCoil 101** can be applied over most metals such as iron, steel, aluminum and copper. As a coil coating it will tolerate considerable abusive handling without subsequent damage to the coated coil fins. Equipment that may vibrate, flex, expand or contract extensively and for severe hydrogen sulfide exposure **SaveCoil 63** is the preferred choice. All **SaveCoil** coatings are available as corrosion protection on Scientific Systems heat transfer products.



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# CORROSION RESISTANT COATINGS

## CHEMICAL RESISTANCE

**SaveCoil 101** has been found to have excellent resistance to attack from the following chemicals:

acetates	coke oven gas	nitrates
acetic acid	esters	nitric acid (dilute)
acetone	ethers	nitrides
acetylene	ethylene oxide	nitrobenzene
acrylonitrile	fatty acids	nitrogen fertilizers
alcohols	fluosilicic acid	oils, mineral and vegetable
aldehydes	formaldehyde	oxalic acid
alum	formic acid	oxygen
amines	Freon(tm)	phenol
ammonia	fuels	phosphoric acid
ammonium hydroxide	gases - inert	picric acid
ammonium nitrate	gases - manufactured	propane
aniline	gases - natural	salicylic acid
benzoic acid	glycerine	sea water
benzol	glycols	silicic acid
boric acid	hydrocarbons	steam vapor
carbolic acid	hydrochloric acid	stearic acid
carbonates	hydrogen	sulfate liquors
carbon dioxide	iodides	sulfonic acid
carbonic acid	ketones	sulfur dioxide
carbon monoxide	lacquers	sulfuric acid
carbon tetrachloride	lactic acid	sulfurous acid
chlorides	maleic acid	surfactants
chlorinated solvents	malic acid	tannic acid
chlorine - less than 100 ppm	methanol	tetraethyl lead
chloroform	mercaptans	toluene
chromic acid	methylene chloride	trisodium phosphate
citric acid	naphthalene	urea

### NOTE

The statements made in this product bulletin are based on both research and experience and are believed to be entirely accurate. However, Scientific Systems does not guarantee their accuracy nor assume any responsibility relating to the application of the product.

Your Representative is:



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