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## POSTCOATING CHEMICAL RESISTANCE GUIDE

Postcoatings will withstand exposure to many corrosive atmospheres with the exception of strong alkalis, strong oxidizers, wet bromine, and chlorine and fluorine in concentrations greater than 100 ppm (parts per million). Because the resistance is dependent upon the application, environment, coil construction, and other factors, your TechniCoat representative should be consulted for specific recommendations. This postcoating chemical resistance guide is to be used only as a guide for placement into corrosive environments other than salt-water.

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**TABLE 1**

Postcoatings are resistant to the fumes\* of the following chemicals:

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

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AME TechniCoat has been tested extensively under ASTM B117, ASTM G154, & ASTM B287. See next page for non-resistance table.

**TABLE 2**

Postcoatings are NOT resistant to the following chemicals:

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aluminum fluoride	cadmium cyanide	hydrogen peroxide
ammonium fluoride	calcium hypochlorite	hypochlorites
aqua regia	caustic soda	nitric acid (conc.)
bleaching compounds	chlorine – over 100 ppm	nitrogen oxides
brass plating solutions	cyanide plating solutions	potassium hydroxide
bromine – over 100 ppm	fluorine – over 100 ppm	sodium fluoride (conc.)
bronze plating solutions	hydrofluoric acid (conc.)	sodium hydroxide (conc.)

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