

Chemical Resistance of Heresite Baked Phenolic Coatings

Heresite baked phenolic coatings will withstand exposure to practically all corrosive atmospheres with the exception of strong alkalies, strong oxidizers and wet bromine, chlorine and fluorine in concentrations greater than 100 ppm.

Because the resistance of Heresite is dependent upon conditions of service, environment, fabrication details and other factors, a Heresite technical representative should be consulted for specific recommendations.

Heresite IS Resistant to Fumes of the following:

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

Heresite IS NOT Resistant to Fumes of the following:

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

Note: The statements made in this bulletin are based upon both research and experience and are believed to be entirely accurate. However, no guarantee of their accuracy can be made for obvious reasons and no responsibility can be assumed by Madok Manufacturing or Heresite Protective Coatings.