# A Guide to the Chemical Resistance of Heresite Baked Rhenolic Linings.

**Baked phenolic linings will withstand exposure to practically all corrosive atmospheres with the exception of strong alkalizes, 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 plus other factors, Midwest Coils, Inc. should be consulted for specific recommendations.**

**HERESITE IS** Resistant to Fumes of the Following:

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

**HERESITE IS NOT** Resistant to Fumes of the Following:

| | | |
|---|---|---|
| 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.) |

**NOTE:** The statements made on this page 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 HERESITE Protective Coatings Inc.