

LIST OF RESISTANCE - I anaerobic adhesives

On the following pages, we give an overview of the resistance of the cured adhesives against different media. This overview refers to chemicals of all kind and gases commonly used in the industry sector.

The list of resistance is based on years of practical experience, on laboratory experiments and on the behaviour of similar plastics. The list should just give a hint, if the probability of resistance is given. Self tests by the end-consumer can not be replaced by the list, due to the different operating conditions.

The list refers to anaerobic adhesives as follows:

- 02K22
- 02K41
- 02K42
- 02K43
- 02K45
- 02K74
- 02K90
- 05K11
- 05K18
- 05K42
- 05K72
- 05K73
- 05K74
- 05K77

Liquids:	Antimony salts
Acetaldehyde	Antimony trioxide
Acetate solvents	Antioxidants
Acetic anhydride	Argon
Acetone	Arochlor
Acetyl chloride	Arsenic acid
Acetylene	Arsenic lead
Acetylsalicylic acid	Asbestos
Activated carbon	Asphalt emulsion
Activated silicon	Asphalt melt
Alcohol-all kind	Aureomycine
Alkali	Aurocyanide
Alum	
Aluminium acetate	Barium acetate
Aluminium bifluoride	Barium carbonate
Aluminium chlorode	Barium chloride
Aluminium hydroxide	Barium sulfate
Aluminium oxide	Bauxite
Aluminium sulphate	Beer and beer wort
Aluminium hydrogen carbonate	Benzaldehyde
Ammonium bisulphate	Benzene
Ammonium borate	Benzene hexachloride
Ammonium bromide	Benzene hydrochloride
Ammonium carbonate	Benzoic acid
Ammonium chloride	Benzotriazole
Ammonium chromate	Beryllium sulfate
Ammonium hyposulfite	Bicarbonate
Ammonium iodide	Blood
Ammonium molybdate	Borax - liquid
Ammonium oxalate	Boric acid
Ammonium persulfate	Brandy
Ammonium phosphate	Brass cyanide
Ammonium sulfate	Bronze cyanide
Ammonium sulfide	Butadiene
Ammonium thiocyanate	Butlyether - dry
Amyl acetate	Butyl acetate
Amyl chloride	Butyl cellosolve
Amylamine	Butyl chloride
Aniline	Butyl lactate
Aniline colours	Butylamine

Cabbage juice	Chromium chloride
Cadium bath	Chromium sulphate
Cadium cyanide	Citrus juice
Cadium sulfate	Clay
Calcium acetate	Coal tar
Calcium bisulphate	Cobalt - acid
Calcium carbonate	Cobalt chlorid
Calcium chlorade	Coconut oil
Calcium chloride	Concentrated citrus
Calcium chloride solution	Copper ammonium formate
Calcium citrate	Copper chloride
Calcium ferrocyanide	Copper chloride - petroleum ether
Calcium formate	Copper cyanide
Calcium hydroxide	Copper naphthenate
Calcium hypochlorite	Copper pickle
Calcium lactate	Copper plating - acid
Calcium nitrate	Copper plating - alkaline
Calcium phosphate	Copper sulphate
Calcium silicate	Creosote
Calcium sulphamate	Cresol
Calcium sulphate	Cyanide solution
Calcium sulphite	Cyanodiamide
Camphor	Cyanogen bromide
Carbon disulphide	
Carboxymethylcellulose	Developer fluid
Casein	Dextran
Cellulose acetate	Dextrin
Cellulose pulp	Diamylamine
Cellulose xanthate	Diazoacetate
Cement, highly fluid	Dibromethyl
Cement, suspension	Dibutyl phthalate
Ceramic melt	Dichloroethyl ether
Cerosine	Dichloromethane
Cetone	Dichlorophenol
Chloramine	Diethyl ether
Chlorinated hydrocarbon	Diethyl sulfate
Chlorinated kerosine	Diethylamine
Chlorinated solvents	Diethylene glycol
Chlorinated water	Diglycolic acid
Chloroform - dry	Dimethyl formamide
Chromic acid 10%	Dimethyl sulphide
Chromium acetate	Dimethylbenzene
	Diphenyl

Enzyme solution	Glycerin
Epichlorohydrin	Glycine
Ergosterol solution	Glycine hypochlorite
Ethanol	Glycolic acid
Ethyl acetane	Glycol amine
Ethyl acetate	Glykoxal
Ethyl alcohol	Gold chloride
Ethyl cellosolve	Gold cyanide
Ethyl formate	Granodin
Ethyl silicate	Grinding coolant
Ethylamine	Grinding lubricant
Ethylene dichloride	
Ethylene glycol	Halan solution
Ethylenediamine	Halogen tin plating
	Halowax
Faecal matter	Heating oil
Fatty acid	Heptane
Fatty acid amide	Hexachlorbenzene
Ferment	Hexadiene
Ferrous chloride	Hexane
Ferrous sulphate - saturated	Hexanol
Ferrous sulphate 10%	Hexaphosphate
Flavouring	Hydrazine
Flotation concentrate	Hydrazine hydrate
Fluoride-containing gases and liquids	Hydrogen peroxide
Fluorine salts	Hydroponics solution
Fluorolube	Hydroquinone
Fluorosilicic acid	Hydroxide propionate
Foamit	Hypochlorite
Formaldehyde (cold)	
Formic acid (cold)	Iodine - potassium iodide
Formic acid aldehyde (cold)	Iodine solution
Fruit juice - all kind	Iodobenzene
Furfurol	Ion exchange liquid
	Isobutanol
Gallium sulphate	Isobutyraldehyde
Gamma globulin	Isocyanate resin
Gasoline	Isooctane
Gasoline acid bath	Isopropanol
Gasoline copper chloride	Isopropyl acetate
Gluconic acid	Isopropyl ether
Glucose	Itaconic acid
Glutamic acid	
Gluten	Jet fuel

Lacquer	Methyl cellosolve
Lactic acid	Methyl chloride
Latex	Methyl ethyl ketone
Latex rubber	Methyl lactate
Laundry bleach	Methyl orange
Laundry bluing agent	Methylamine
Laundry sodium carbonate	Methylisobutylketone
Laundry water	Mine water
Litharge	Mineral oil
Lead fluorid	Mineral spirit
Lead oxide	Monochloroacetic acid
Lead sulphate	Monochlorobenzene
Lecithin	Morpholine
Lemon juice	
Lignien extract	Naphthalene
Lithium chloride	Nematicide
Ludox	Neoprene emulsion
	Neoprene latex
Magnesite	Nickel acetate
Magnesium bisulphite	Nickel ammonium sulfate
Magnesium carbonate	Nickel cladding
Magnesium chloride	Nickel fluoborate
Magnesium hydroxide	Nickel sulphate
Magnesium sulphate	Nitrate solution
Maleic acid	Nitric acrylo sulphonate acid
Maleic anhydride	Nitrobenzene, dry
Manganese chloride	Nitrocellulose
Manganese sulphate	Nitrofurantoin
Mannitol solution	Nitroguanidine
Melamine formaldehyde resin	Nitroparaffin, dry
Melter	Nitrosyl chloride
Menthol	Norit carbon
Mercaptan	
Mercury	Oakite
Mercury (dry)	Ocean water
Mercury chloride	Oils, all kind
Mercury nitrate	Oleic acid
Methane	Organic colourant
Methyl acetate	Oxalic acid
Methyl bromide	
Methyl carbitol	

Paint thinner	Protein
Palmitic acid	Pyranol
Paradichlorobenzene	Pyridine
Paraffin melt	Pyrogallol
Paraffin oil	Pyrol
Paraformaldehyde	Pyromellitic acid
Penicillin	
Pentachloroethane	Quebracho tannin
Pentaerythritol solution	Quinone
Perchloroethylene (dry)	
Perchloromethyl mercaptan	Rayon viscose
Peroxide bleach	Riboflavin
Petroleum	Roccal
Petroleum ether	
Phenol	Salicylic acid
Phenolic resin	Saline solution - alkaline
Phenolic resin glue	Saline solution - electrolytic
Phenolsulfonic acid	Salt water
Phenyl beta naphthylamine	Seawater
Phloroglucinol	Selenium chloride
Phosphate ester	Sewage
Phosphoric acid 10% (cold)	Shellac
Phosphorous melt	Silica gel
Phosphotungstic acid	Silicon tetrachloride
Phthalic acid	Silver cyanide
Picric acid solution	Silver iodide
Pine resin	Silver nitrate
Platinum	Sizing bath
Potash	Soap solution
Potassium alum	Soda pulp
Potassium acetate	Sodium acetate
Potassium aluminium sulfate	Sodium aluminate
Potassium bromide	Sodium arsenite
Potassium carbonate	Sodium benzenesulfonate
Potassium chloride	Sodium bicarbonate
Potassium chromate	Sodium bisulphite
Potassium cyanide solution	Sodium bromide
Potassium dichromate	Sodium carbonate
Potassium ethyl xanthate	Sodium chlorate
Potassium iodide	Sodium chloride
Potassium iodide nitrate	Sodium chlorite
Potassium manganate	Sodium cyanide
Potassium nitrate	Sodium dichromate
Potassium perchlorate	Sodium dithionite
Potassium persulphate	Sodium ferro cyanide
Potassium phosphate	Sodium fluoride
Potassium silicate	Sodium formate
Potassium sulphate	Sodium potassium chloride
Propanoic acid	
Propylbromide	

Sodium fluorosilicate	Taconite
Sodium glutamate	Tall oil
Sodium hydrochloride	Tamin
Sodium hydrosulphite	Tar oil
Sodium hydroxide 20% cold	Tergitol
Sodium hypochlorite	Tetraethyl lead
Sodium lignosulfonate	Tetrahydrofuran
Sodium metasilicate	Tetranitromethane
Sodium monophosphate	Textile dyes
Sodium nitrate	Textile finishing oils
Sodium nitrite - nitrate	Textile printing oils
Sodium perborate	Thiocarbamide
Sodium persulfate	Thiocyanic acid
Sodium stannate	Thioglycolic acid
Sodium sulphate	Thionyl chloride
Sodium sulphide	Thiophosphoryl chloride
Sodium sulphite	Thiourea
Sodium thiosulphate	Thorium nitrate
Sodium triphosphate	Thymol, Thyme camphor
Sodium xanthate	Tin soldering agent
Solvent naphtha	Tin, acid
Sorbic acid	Tin, alkaline
Sorbite	Titanium oxide mass
Stearic acid	Titanium oxysulfate
Stream water	Titanium tetrachloride
Streptomycin mass	Toluene
Styrol	Toluol
Sulfa-Sulfonyl anhydride	Tomato juice
Sulfathiazole	Tomato ketchup
Sulfonyl chloride	Transil oil
Sulfuryl chloride	Treacle
Sulphamic acid	Trichloroacetic acid
Sulphite liquor	Trichloroethane
Sulphone	Trichloroethylene
Sulphur mud in carbon disulphide	Trichloromethane
Sulphuric iron oxide 10%	Tricresylphosphate
Synthetic latex	Triethanolamine
Syrup	Triglycol
	Trioxane
	Tungstic anhydride
	Turpentine
	Turpentine oil

Udylithe bath	Water, distilled
Undecylenic acid	Wax

Uni chrome solution-alkaline	Whisky
Uranium salts	Whisky mash
Uranyl sulfate	Wine
Vaccum up to 100 micron	
Vanadium penoxide	Xylene
Vapour pressure - low	
Varsol	Zelan
Vaseline	Zeolite water
Versen	Zinc bromide
Vinegar	Zinc chloride
Vinyl acetate	Zinc cyanide, alkaline
Vinyl chloride-latex emulsion	Zinc oleate
Vinyl resin	Zinc oxide in oil
	Zinc oxide in water
Water (alkaline) over pH 8	Zinc soldering agent
Water up to pH 8	Zinc sulphate
Water, carbonaceous	Zinc, acid
Water, chlorinated, over 100 PPM	Zinc, alkaline (cyanide)
	Zinc, galvanised

Gases	
Acetylene	Generator gas
Alkaline vapours	
Amine	Helium

Ammonium chloride	Hydrochloric acid
	Hydrogen chloride gas
Butadiene gas, liquid	Hydrogen cyanide
Butylene gas, liquid	Hydrogen gas, cold
	Hydrogen sulphide (wet & dry)
Carbon sulphide gas	
Chloride, dry	Isobutane
Carbon monoxide	
Carbon dioxide	Nitrogen gas
Coke oven gas, cold	Natural gas, dry
Cyanogen chloride	
Cyanuric chloride	Methane
Cyclohexane	Methyl chloride (monochloromethane)
Ethane	Propane
Ether	Propylene
Ethylene	
Ethylene oxide	Sulphur dioxide, dry
	Sulphur trioxide, dry
Factory gases	Sulphur dioxide
Furnace gas, cold	Sulphuric acid vapour
	Titanium

The information given in this data sheet, especially suggestions concerning the application and processing of the anaerobic products, is based on current knowledge and experience. We highly recommend to perform sufficient individual tests in order to confirm the suitability of the products, since the materials to be bonded can vary and we have no influence on individual working conditions. Therefore, we cannot assume liability based on these information or verbal consultation, unless, gross negligence or intent on our part can be demonstrated. We reserve the right to technical modifications in the interest of progress.

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