

LIST OF RESISTANCE - II 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:

- 02K62
- 02K70
- 02K71
- 02K72
- 02K75
- 02K95
- 02K701
- 05K10
- 06K01
- 06K03
- 06K20
- 06K38
- 06K48

Liquids:	Aniline colours
Acetaldehyde	Antimony salts
Acetate solvents	Antimony trioxide
Acetic acid 80 %	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 hydrogen carbonate	Barium sulfate
Aluminium hydroxide	Bauxite
Aluminium oxide	Beer and beer wort
Aluminium sulphate	Benzaldehyde
Ammonium bisulphate	Benzene
Ammonium borate	Benzene hexachloride
Ammonium bromide	Benzene hydrochloride
Ammonium carbonate	Benzoic acid
Ammonium chloride	Benzotriazole
Ammonium chromate	Beryllium sulfate
Ammonium hydroxide	Bicarbonate
Ammonium hyposulfite	Blood
Ammonium iodide	Borax - liquid
Ammonium molybdate	Boric acid
Ammonium oxalate	Brandy
Ammonium persulfate	Brass cyanide
Ammonium phosphate	Bromine solution
Ammonium sulfate	Bronze cyanide
Ammonium sulfide	Butadiene
Ammonium thiocyanate	Butlyether - dry
Amyl acetate	Butyl acetate
Amyl chloride	Butyl cellosolve
Amylamine	Butyl chloride
Anhydrous ammonia	Butyl lactate
Aniline	Butylamine

Cabbage juice	Chromic acid 30 % (cold)
Cadium bath	Citric acid solution (cold)
Cadium cyanide	Citric acid solution (hot)
Cadium sulfate	Citrus juice
Calcium acetate	Clay
Calcium bisulphate	Coal tar
Calcium carbonate	Cobalt - acid
Calcium chlorade	Cobalt chlorid
Calcium chloride	Coconut oil
Calcium chloride solution	Concentrated citrus
Calcium citrate	Copper ammonium formate
Calcium ferrocyanide	Copper chloride
Calcium formate	Copper chloride - petroleum ether
Calcium hydroxide	Copper cyanide
Calcium hypochlorite	Copper naphthenate
Calcium lactate	Copper pickle
Calcium nitrate	Copper plating - acid
Calcium phosphate	Copper plating - alkaline
Calcium silicate	Copper sulphate
Calcium sulphamate	Creosote
Calcium sulphate	Cresol
Calcium sulphite	Cyanide solution
Camphor	Cyanodiamide
Carbon disulphide	Cyanogen bromide
Carboxymethylcellulose	
Casein	Developer fluid
Cellulose acetate	Dextran
Cellulose pulp	Dextrin
Cellulose xanthate	Diamylamine
Cement, highly fluid	Diazoacetate
Cement, suspension	Dibromethyl
Ceramic melt	Dibutyl phthalate
Cerosine	Dichloroethyl ether
Cetone	Dichloromethane
Chloramine	Dichlorophenol
Chlorinated hydrocarbon	Diethyl ether
Chlorinated kerosine	Diethyl sulfate
Chlorinated solvents	Diethylamine
Chlorinated water	Diethylene glycol
Chlorine dioxide	Diglycolic acid
Chloroform - dry	Dimethyl formamide
Chromic acid 10%	Dimethyl sulphide
Chromium acetate	Dimethylbenzene
Chromium chloride	Diphenyl
Chromium sulphate	

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

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 acid 20 %
Maleic anhydride	Nitric acrylo sulphonate acid
Manganese chloride	Nitrobenzene, dry
Manganese sulphate	Nitrocellulose
Mannitol solution	Nitrofurantoin
Melamine formaldehyde resin	Nitroguanidine
Melter	Nitroparaffin, dry
Menthol	Nitrosyl chloride
Mercaptan	Norit carbon
Mercury	
Mercury (dry)	Oakite
Mercury chloride	Ocean water
Mercury nitrate	Oils, all kind
Methane	Oleic acid
Methyl acetate	Organic colourant
Methyl bromide	Oxalic acid
Methyl carbitol	

Paint thinner	Protein
Palmitic acid	Pyranol
Paradichlorobenzene	Pyridine
Paraffin melt	Pyrogallol
Paraffin oil	Pyrol
Paraformaldehyde	Pyromellitic acid
Penicillin	Potassium silicate
Pentachloroethane	Potassium sulphate
Pentaerythritol solution	Propanoic acid
Perchloroethylene (dry)	Propylbromide
Perchloromethyl mercaptan	
Peroxide bleach	Quebracho tannin
Petroleum	Quinone
Petroleum ether	
Phenol	Rayon viscose
Phenolic resin	Riboflavin
Phenolic resin glue	Roccal
Phenolsulfonic acid	
Phenyl beta naphthylamine	Salicylic acid
Phloroglucinol	Saline solution - alkaline
Phosphate ester	Saline solution - electrolytic
Phosphoric acid 10% (cold)	Salt water
Phosphoric acid 80% (only cold)	Seawater
Phosphoric acid 50 % (hot)	Selenium chloride
Phosphoric acid 50 % (cold)	Sewage
Phosphoric acid 10 % (hot)	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
Sodium fluorosilicate	Taconite
Sodium formate	Tall oil

Sodium glutamate	Tamin
Sodium hydrochlorite	Tar oil
Sodium hydrosulphite	Tergitol
Sodium hydroxide 20 % hot	Tetraethyl lead
Sodium hydroxide 20% cold	Tetrahydrofuran
Sodium hydroxide 50 % cold	Tetranitromethane
Sodium hydroxide 70 % cold	Textile dyes
Sodium hypochlorite	Textile finishing oils
Sodium lignosulfonate	Textile printing oils
Sodium metasilicate	Thiocarbamide
Sodium monophosphate	Thiocyanic acid
Sodium nitrate	Thioglycolic acid
Sodium nitrite - nitrate	Thionyl chloride
Sodium perborate	Thiophosphoryl chloride
Sodium persulfate	Thiourea
Sodium potassium chloride	Thorium nitrate
Sodium stannate	Thymol, Thyme camphor
Sodium sulphate	Tin soldering agent
Sodium sulphide	Tin, acid
Sodium sulphite	Tin, alkaline
Sodium thiosulphate	Titanium oxide mass
Sodium triphosphate	Titanium oxysulfate
Sodium xanthate	Titanium tetrachloride
Solvent naphtha	Toluene
Sorbic acid	Toluene sulphonic acid
Sorbite	Toluol
Stearic acid	Tomato juice
Stream water	Tomato ketchup
Streptomycin mass	Transil oil
Styrol	Treacle
Suds	Trichloroacetic acid
Sulfa-Sulfonyl anhydride	Trichloroethane
Sulfathiazole	Trichloroethylene
Sulfonyl chloride	Trichloromethane
Sulfuryl chloride	Tricresylphosphate
Sulphamic acid	Triethanolamine
Sulphite liquor	Triglycol
Sulphone	Trioxane
Sulphur mud in carbon disulphide	Tungstic anhydride
Sulphuric acid up to 70 %	Turpentine
Sulphuric iron oxide 10%	Turpentine oil
Sulphurous acid	
Synthetic latex	
Syrup	

Udylithe bath	Water, distilled
Undecylenic acid	Wax
Uni chrome solution-alkaline	Whisky
Uranium salts	Whisky mash

Uranyl sulfate	Wine
V accum up to 100 micron	
Vanadium penoxide	X ylene
Vapour pressure - low	
Varsol	Z elan
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
W ater (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	Freon (11-12-21-22)
Acetylene	
Alkaline vapours	
Amine	Generator gas
Ammonium chloride	
	Helium
Butadiene gas, liquid	Hydrochloric acid
Butylene gas, liquid	Hydrogen chloride gas
	Hydrogen cyanide
Carbon sulphide gas	Hydrogen gas, cold
Chloride, dry	Hydrogen sulphide (wet & dry)
Carbon monoxide	
Carbon dioxide	Isobutane
Coke-oven gas, cold	
Coke-oven gas, hot	Nitrogen gas
Chlorine gas	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
Furnace gas, hot	
	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.

Date: 26.02.2015