

Chemical resistance chart of hoses

Chemical resistance : 1 = Good 2 = Limited X = Not compatible



	A	B	C	D	E	F	G	H	I	
	PVC		Polyurethane	Polyester	Polyethylene	Polyamid 12	Silicon	PTFE	PE elastomer	
	Standard and Tricoclaire	special chemical formule	Technobel PU, PU calibré	Technobel	Profiline Aqua Plus	T 11	Vitryl	PTFE Tubes	Technobel Soft AS SpirAqua Plus Technobel AL soft	
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C
Acetaldehyde	x	x	x	x	x	1	1	1	1	1
Acetic acid 10%	1	2	1	2	x	2	1	1	1	1
Acetic acid 25%	1	2	1	2	x	x	1	1	1	1
Acetic acid 50%	2	x	2	x	x	x	1	1	x	x
Acetic acid, anhydride	x	x	x	x	x	x	2	x	1	1
Acetone	x	x	x	x	2	x	x	2	2	2
Acetophenone	x	x	x	x	x	1	1	1	1	1
Acetylene	1	1	1	1	1	1	1	1	1	2
Acrylonitrile	1	1	1	1	x	x	2	1	1	1
Allyl chloride	x	x	x	x	x	1	2	x	x	x
Alum	1	1	1	1	1	2	2	1	1	1
Aluminium chloride	1	1	1	1	1	2	1	1	1	1
Aluminium fluoride	1	1	1	x	x	1	2	1	1	1
Aluminium hydroxide	1	1	1	2	x	x	1	1	1	1
Aluminium sulphate	1	1	1	1	1	2	1	1	1	1
Ammonia	1	1	2	2	1	2	1	1	2	2
Ammonia (in water)	x	x	x	x	2	x	x	1	1	2
Ammonium Acetate	1	1	1	1	1	2	1	1	x	x
Ammonium chloride	1	1	1	1	1	2	x	x	1	1
Ammonium hydroxide	1	1	1	1	1	x	x	1	1	1
Ammonium metaphosphate	1	1	1	1	x	x	1	1	1	1
Ammonium nitrate	1	1	1	1	1	2	x	x	1	1
Ammonium persulfate	1	1	1	2	x	x	1	1	1	1
Ammonium phosphate	1	1	1	1	1	x	2	1	1	1
Ammonium sulfate	1	1	1	1	1	2	1	1	1	1
Ammonium thiocyanate	1	1	2	x	x	x	1	x	1	1
Amyl Acetate	x	x	x	x	x	x	2	1	1	1
Aniline	x	x	x	x	x	x	x	1	1	1
Aniline colouring	1	1	1	1	x	x	2	2	1	x
Antimony chloride 50%	1	1	2	x	2	2	1	x	x	1
Arsenic acid	1	1	x	x	x	x	1	2	2	1
Asphalt	x	x	x	x	x	x	x	2	2	1
Asphalt	x	x	x	x	x	x	x	x	x	1
Baryum carbonate	1	1	1	1	x	x	1	x	1	1
Benzaldehyde	x	x	x	x	x	x	1	1	1	1
Benzin (Benzol)	x	x	x	x	x	x	2	x	x	1
Benzyl chloride	x	x	x	x	x	x	1	2	1	x
Bisulfitic detergents	x	x	x	x	x	x	1	x	x	x
Bleach	1	2	1	2	2	x	x	1	1	1
Borax	1	2	1	1	2	x	x	1	1	1
Boric acid 10%	1	1	1	1	2	x	1	x	2	2
Bromhydric acid 10%	1	1	1	1	x	x	x	x	1	1
Bromhydric acid 50%	x	x	x	x	x	x	1	x	x	2
Bromine	x	x	x	x	x	x	2	x	x	x
Bromobenzene	x	x	x	x	x	x	x	1	x	x
Butane	2	2	2	2	1	1	x	x	2	2
Butyl Acetate	x	x	x	x	x	x	2	1	2	2
Butyl alcohol	1	2	1	2	2	x	1	2	1	1
Butyl ether	1	1	x	x	x	x	1	x	x	1
Butyl glycol	x	x	x	x	x	x	1	x	2	2
Butyl stearate	x	x	x	x	1	x	x	x	1	x
Butyric acid	1	1	x	x	x	x	1	x	1	1
Calcium bisulfite	1	1	1	1	1	x	1	1	1	1
Calcium carbonate	1	1	1	1	1	x	1	x	1	1
Calcium chlorate	1	1	1	1	x	x	1	x	1	1
Calcium chloride	1	1	1	1	1	2	1	1	1	1
Calcium hydroxide	1	1	1	1	x	x	1	x	1	1
Calcium hypochlorite 15%	1	1	x	x	x	x	1	x	1	1
Calcium sulphide	1	1	x	x	x	x	1	x	1	1
Carbon bisulfur	x	x	x	x	x	x	2	x	x	2
Carbon dioxide	1	x	x	x	x	x	x	1	1	1
Carbon dioxide	1	1	1	1	1	1	x	2	x	1
Carbon monoxide	1	1	1	1	1	1	1	2	x	1
Carbon sulphide	x	x	x	x	x	x	x	1	x	x
Carbon tetrachloride	x	x	x	x	x	x	x	2	x	x
Carbonic acid	1	1	1	1	x	x	1	1	x	1
Castor oil	x	x	1	1	1	1	2	1	1	1

	A		B		C		D		E		F		G		H		I	
	PVC		Polyurethane		Polyester		Polyethylene		Polyamid 12		Silicon		PTFE		PE elastomer			
	Standard and Tricoclar	special chemical formulae	Technobel PU, PU calibré		Technobel		Profiline Aqua Plus		T11		Vitryl		PTFE tubes		Technobel Soft AS SpirAqua Plus Technobel AL soft			
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C		
Chloracetic acid	x	x	x	x	x	x	x	x	1	1	x	x	1	1	1	1	1	
Chlorine (dry)	x	x	x	x	x	x	x	x	2	x	2	x	x	x	1	1	2	
Chlorine (wet)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1	1	x	
Chlorine water	2	x	2	x	2	x	x	x	1	2	2	x	2	2	1	1	2	
Chlorobenzene	x	x	x	x	x	x	x	x	2	2	2	x	2	2	1	1	2	
Chloroform	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1	1	x	
Chlorosulfonic acid	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1	1	x	
Chromic acid 50%	x	x	x	x	x	x	x	x	1	2	x	x	x	x	1	1	2	
Citric acid	1	1			2	x	1	1	1	1	1	2	x	x	1	1	1	
Coal tar	x	x	x	x			1	2			1	2			1	1		
Concentrated hydrochloric acid	2	x	1	2	x	x	x	x	1	1	x	x	2	2	1	1	2	
Concentrated potassium	1	x	1	x	x	x	x	x	1	1	1	1			1	1	1	
Concentrated soda	1	x	1	x	x	x	x	x	1	1	1	x	2	2	1	1	2	
Copper Acetate					1	2	1	2	1	1			1	1	1	1	2	
Copper arsenate									1				1	1	1	1	1	
Copper chloride	1	1	1	1	1	2			1	1			1	1	1	1	1	
Copper cyanide					2				1	1			1	1	1	1	1	
Copper nitrate		x							1				1	1	1	1	1	
Copper sulphate	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	
Creosote oil	x	x	1	2			2	x	x	x	1	1	2	2	1	1		
Cresol (methyl phenol)	x	x	x	x	x	x	x	x	2	x	x	x	2	2	1	1	2	
Cyanhydric acid					2	x	1	x	1	1					1	1	2	
Cyclohexane	1	1	1	1	2	x	x	x	1	1	1	2	x	x	1	1	1	
Cyclohexanol	x	x	x	x	x	x	x	x	1	1	1	x			1	1	1	
Cyclohexanone	x	x	x	x	x	x	x	x	2	2	1	x	2	2	1	1	2	
Decaline							1	2	2	x	1	1			1	1	2	
Diacetone	x	x	x	x	x	x	x	x	x	x	x				1	1	x	
Diacetone alcohol	x	x	x	x	2	x	x	x			1	2	1	1	1	1		
Dibutyl phthalate	x	x	x	x	x	x	x	x	x	x		2	2	1	1	x	x	
Dichlorethane	x	x	x	x	x	x	x	x	x	x	2	x	x	x	1	1	x	
Diesel oil	x	x	1	2	1	2	1	2			1	1	x	x	1	1		
Diethyl ether	x	x	x	x	2				x	x			x	x	1	1	x	
Diethylamine							x	x					1	1	1	1		
Diethylene glycol	1	1			1	2	1	2	1	1	1	1	1	1	1	1	1	
Dimethylamine	x	x	x	x	x	x	x	x	2	2					1	1	2	
Dimethylformamide	x	x	x	x	x	x	x	x	1	2	1	1			1	1	1	
Dioxane (diethylene ether)	x	x	x	x			1	2	2	2	1	2	1	1	1	1		
Diphenyl							1	2	1	1	1	1			1	1	1	
Dry sulfuric anhydride					2	x	x	x	2	2	2	x	2	2	1	1	1	
Dry sulfurous anhydride	1	1	1	1	2	x			1	1			1	1	1	1	1	
E85	x	x	x	x	1	1	1	2	x	x	x	x	x	x	x	x	x	
Ethyl Acetate	x	x	x	x	x	x	2	2	2	2	1	1	1	1	1	1	2	
Ethyl Acrylate	x	x	x	x			1	2					1	1	1	1	1	
Ethyl alcohol	1	2	1	2	2	x	1	2	1	2			1	1	1	1	2	
Ethyl benzene	x	x	x	x	x	x	x	x	2	2					1	1	2	
Ethyl cellulose							2	x					2	2	1	1	1	
Ethyl chloride	x	x	x	x	x	x	x	x	x	x	x	x	x	x	1	1	x	
Ethyl ether	x	x	x	x	2	x	1	x	x	x		x	x	x	1	1	x	
Ethyl mercatan	x	x					1	2	x	x					1	1	x	
Ethylene					1	1	1	2							1	1		
Ethylene chloride	x	x	x	x	x	x	1	2	x	x	1	1	x	x	1	1	x	
Ethylene diamine							x	x	1	1			1	1	1	1	1	
Ethylene glycol 30%	1	2	1	2	2	x	1	2	1	1	2		1	1	1	1	1	
Ethylglycol	x	x					1	2			1		1	1	1	1		
Ferric chloride	1	1			x		1	2	1	1	1	1	1	1	1	1	1	
Ferric chloride	1	1	1	1	1	2	1	2	1	1			1	1	1	1	1	
Ferric sulphate	1	1	1		2				1	1			1	1	1	1	1	
Ferrique sulphate	1	1	1	1	1	2	1	1	1	1			1	1	1	1	1	
Fluorhydric acid 10%	1	x	1		2				2	2			2	2	1	1	2	
Fluorhydric acid 30%	x	x	x	x	2				2	x			2	2	1	1	2	
Fluorhydric acid 40%	x	x	x	x	x	x	x	x	x	x	x	x	2	2	1	1	x	
Fluoride Boric acid 65%	1	1			x	x			1				1	1	1	1	1	
Fluoride silicic acid					x	x			1				2	2	1	1	2	
Fluorine	x	x	x	x	x	x	x	x	1	1	x	x	x	x	1	1		
Fluosilicic acid 30%					x	x	1	x	1	1	2	x	x	x	1	1	2	
Formaldehyde 40%	2	x	2	x	2		2	x	1	1	1	2	1	1	1	1	1	
Formic acid 10%	x	x	x	x	x	x	1	x	1	2	1	2	1	1	1	1	1	
Freon 11, 113, 114, 12, 21, 22	x	x	x	x	x	x	1	x	2	2	1	2			2	2		
Fuel oil	x	x	1	2	1	2	1	2	2	x	1	1	x	x	1	1	1	
Furan (furfuran)							1	2					2	2	1	1		
Furfural	1	1	1	1	x	x	1	2	x	x	1	2			1	1	x	
Gallic acid	1	1			x	x			1				1	1	1	2	2	
Gelatin	1	1	1	1	1	1	1	1	1	1			1	1	1	1	1	

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	Standard and Tricoclear	special chemical formule	Technobel PU, PU calibré	Technobel	Profiline Aqua Plus	T 11	Vitryl	PTFE Tubes	Technobel Soft AS SpirAqua Plus Technobel AL soft	
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C
Glucose	1	1	1	1	1	1	1	1	1	1
Glycerol	x	x	x	x	1	1	1	1	1	1
Glycol chloridrine					2	x	1	1	x	x
Hexane	x	x	x	x	2	x	x	1	1	1
Hydrazine	x	x	x	x		x	x	1	1	1
Hydrochloric acid 15%	1	1	1	1	2	x	x	1	1	1
Hydrogen peroxyde 10%	1		1		2			1	1	1
Hydrogen peroxyde 30%	x	x	x	x	2	x	2	1	x	1
Hydrogene	1	1	1	1	1	1	1		1	1
Hydrogene sulphide	x	x	x	x	2	x	1	1	1	1
Hydroquinone	1	1				1	1	1	1	1
Iso octane	x	x	x	x	1	1	x	2		x
Isobutyl alcohol					2	x	1	2	2	1
Isopropyl Acetate	x	x	x	x	x	x	2	2	1	1
Isopropyl ether	x	x	x	x	2	x	x	x	1	1
Isopropylic alcohol	1	2	1	2	2	x	1	2	2	1
Jet fuel	x	x	1	2	1		1	2	x	x
Jet fuel	x	x	1	2	1		1	x	x	x
Lactic acid 10%	x	x	x	x	2	x	1	x	1	1
Lead arsenate	1	1			1		1	2	1	1
Lighting gas - Town gas					1		1	1	1	1
lime	1	1			1	2			1	1
Lubricating oil	x	x	1	2	1	1	1		1	1
Magnesia					1	1	1	1	1	x
Magnesium carbonate	1	1			1			1	1	1
Magnesium chloride	1	1	1	1	1	2		1	1	1
Magnesium hydroxide	1	1			1			1	1	1
Magnesium Nitrate	1	1			2		1		1	1
Magnesium sulphate	1	1	1	1	1	2	1	1	1	1
Manganese sulphate	1	1			2				1	1
Mercuric chloride	x	x	x	x	1	2	1	1	1	2
Mercury	1	1	1	1	1		1	1	1	1
Methane					1	1	1	1	x	1
Methyl Acrylate						1	2	1	1	1
Methyl alcohol 6%	1	1	1	1	1	2	1	2	1	1
Methyl amyl	1	2	1	2	2	x	1	2	2	1
Methyl bromine	x	x	x	x			x	x	1	1
Methyl chloride	x	x	x	x	x	x	x	x	1	1
Methyl ethyl ketone	x	x	x	x	x	x	2	x	1	1
Methyl isobutyl ketone	x	x	x	x	x	x	2	x	1	2
Methyl methacrylate	x	x	x	x	x	x	1	x	2	2
Mineral oil	x	x	1	1	1	1	1	1	2	1
Monochlorobenzene	x	x	x	x	x	x	x	x	1	1
Naphthalene	x	x	x	x		2	x	1	2	x
Natural gas	1	1	1	1	1	1	1		1	1
Nickel chloride	1	1	1	1	1	2	1	2	1	1
Nickel nitrate	1	1			2		1		1	1
Nickel sulphate	1	1	1	1	1	2	1	1	1	1
Nitric acid 25%	1	x	1		x	x	1	1	x	x
Nitric acid 40%	2	x	2		x	x	1	2	x	x
Nitric acid 60%	x	x	x		x	x	2	2	x	x
Nitrogen	1	1	1	1	1	1	x	x	1	1
Nitrogen peroxide						1	2		2	1
Nitromethane	x	x	x	x		x	x		1	1
Octylsebacate	x	x	x	x		1	x		1	1
Oil n°1	x	x	1	2	1	1	1	1	1	1
Oil n°2		x	1	x	1	2	1	1		
Oil n°3	x	x	1	2	1	2			1	1
Oleic acid	x	x	x	x	2	x	1	1	x	x
Ortho-dichlorobenzene	x	x	x	x	x	x		1	x	x
Oxalic acid	x	x	x	x	x	x	2	x	1	1
Ozone	1	1	1	1	1	1	1	1	1	1
Palmitic acid	x	x	x	x	1		1	1	1	1
Paradichlorobenzene	x	x	x	x	1		x	x	1	x
Paraformaldehyde					x	x		1	1	1
Pentane	2	1					x	x	1	1
Perchloric acid	1	1			x	x		1	1	2
Perchlooethylene	x	x	x	x	2	x	x	x	1	x
Petrol	x	x	1	2	1	2	x	1	2	2
Phenol	x	x	x	x	x	x	2	2	1	1
Phenyldiazine	x	x	x	x		1	2	2	1	2
Phosphoric acid 30%	1	1	1	1	2	x	1	1	1	2
Phosphoric acid 85%	1	1			x	x	1	2	1	2
Picric acid (water sol'n)					x	x	1	x	1	2

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	PVC		Polyurethane		Polyester		Polyethylene		Polyamid 12		Silicon		PTFE		PE elastomer			
	Standard and Tricoclair	special chemical formule	Technobel PU, PU calibré		Technobel		Profiline Aqua Plus		T 11		Vitryl		PTFE Tubes		Technobel Soft AS SpirAqua Plus Technobel AL soft			
	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C
Potassium (in water) 10%	1	x	1	x	2	x	x	x	1	1	1	1	1	1	1	1	1	1
Potassium bicarbonate	1	1			2				1				1	1	1	1	1	1
Potassium borate	1	1			1		1	1	1				1	1	1	1	1	1
Potassium bromine	1	1			1		1	1	1	1	1	1	1	1	1	1	1	1
Potassium carbonate (potash)	1	1	x	x	1	2			1	1	1	2	1	1	1	1	1	1
Potassium chloride	1	1	2						1	1			2	2	1	1	1	1
Potassium chloride	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1
Potassium cyanide	x	x	x	x	x	x	1	2	1	1			1	1	1	1	1	1
Potassium dichromate					2				1	1					1	1	1	1
Potassium hydroxide	1	1			1				1				x	x	1	1	1	1
Potassium nitrate	1	1			1				1				1	1	1	1	1	1
Potassium permanganate 10%	1	1	2	x					1	1	x	x	1	1	1	1	1	1
Potassium sulphate	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1
Potassium sulphide	1	1	1		1				1				x	x	1	1	1	1
Preussic acid 20 to 98%	1	1	2						1				x	x	1	1	1	2
Propane	x	x	x	x	1	1	1	1	1	1	1	1	x	x	1	1	1	1
Propylene									1	1					1	1		
Propylene oxide	x	x	x	x			x	x					x	x	1	1		
Pure acetic acid	x	x	2	x	x	x	x	x	x	x	x	x			1	1	x	x
Pyridine	x	x	x	x	x	x	x	x	2	x	2	x	2	2	1	1	1	1
Sea water	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Seed oil					2				x	x			1	1	1	1		
Silicone oil	x	x	1	2	1	1	1	1	1	1			1	1	1	1		
Silver nitrate	1	1	1	1	1				1		1	1	1	1	1	1	1	1
Soda (water in) 10%	1	x	1	x	2	x	x	x	1	1	1	2	1	1	1	1	1	1
Sodium Acetate	1	1	1	1	1	2	1	2	1	1			1	1	1	1	1	1
Sodium bicarbonate	1	1	1		2		1	x	1				1	1	1	1	1	1
Sodium bisulfate	1	1	1	1	x	x	1	x	1				1	1	1	1	1	1
Sodium carbonate	1	1	1	1	2	1	2	1	1				1	1	1	1	1	1
Sodium chlorate	1	1	1	2			x	x	1	1	x	x	1	1	1	1	1	1
Sodium chloride	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1
Sodium cyanide	1	2	1	2	x	x	1	2	1	1			1	1	1	1	1	2
Sodium fluoride	1	1		2					1				2	2	1	1		
Sodium fluoride aluminate 10%	1	1	1	2					1				2	2	1	1		
Sodium hydroxide	1	1	1		1				1				x	x	1	1	1	1
Sodium hypochlorite 15%	1	x	1	x	2	x	x	x	1		x	x	2	2	1	1	1	1
Sodium hypochlorite 30%	1	1	1	x					2	x	x	x	x	x	1	1	2	
Sodium hyposulfite	1	1	1	1	2	x	x	x	1	1			1	1	1	1	1	1
Sodium nitrate	1	1	1	1	2	1	x	1	1				1	1	1	1	1	1
Sodium nitrite					1				1		1	1	1	1	1	1	1	1
Sodium perborate	1	1	x	x	1	x	1	x	1	2					1	1		
Sodium peroxide	1	1	1	1	x	x	x	x					x	x	1	1		
Sodium phosphate	1	1	1	1	2		1	x	1	1	1	1	1	1	1	1	1	1
Sodium silicate	1	1	1	1	2	x	1	2	1	1	1	1	1	1	1	1	1	1
Sodium sulphate	1	1	1	1	1	2	1	2	1	1			1	1	1	1	1	1
Sodium sulphide	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1
Stearic acid (Fatty acid)	1	1	1	1	1		1	2	1	1			2	2	1	1	1	1
Styrene	x	x	x	x	2	x	x	x	2	2			2	2	1	1	2	2
Sulfur chloride	x	x	x	x	1	2	2	2	x	x			x	x	1	1	x	x
Sulfur dioxyde	1	1	1	x	x				1	1			2	2	1	1	1	1
Sulfur Trioxide	1	1	1	2					1	x			x	x	1	1	x	x
Sulfuric acid 10 to 30%	1	1	2						1	1	2	x	2	2	1	1	1	1
Sulfuric acid 40 to 98%	x	x	x	x	x	x	x	x	1	x	2	x	x	x	1	1	2	x
Sulfurous acid 10%	2	2	2	2					1	1	1	1	x	x	1	1	1	1
Sulfurous acid 75%	x	x	x	x	x	x	x	x	1	1			2	2	1	1	1	1
Tartaric acid	1	1	1	1	1		1	2	1	1			1	1	1	1	1	1
Tetrahydrofuran	x	x	x	x	x	x	x	x	x	x	1	2	x	x	1	1	x	x
Tetraline	x	x	x	x			1	x	2	x	1	2			1	1		
Thiosulphate sodium	1	1	1	1	2		1	x	1	1			1	1	1	1	1	1
Tin chloride	1	1	1	1	1	2	x	x	1	1			x	x	1	1	1	1
Toluene	x	x	x	x	x	x	x	x	2	2	1	2	2	2	1	1	2	2
Trichloro ethane	x	x	x	x	x	x	x	x			2	x	x	x	1	1	x	x
Trichloro ethylene	x	x	x	x	x	x	x	x	x	x	2	x	x	x	1	1	x	x
Tricresyl phophate					2		2	x	1	1						1	1	
Trithanol amine	1	1	1	1			x	x							1	1		
Turpent petrol	x	x	1	2	2	x	2	x	2	x	1	1	x	x	1	1	2	x
Unleaded gas	x	x	x	x	1	2	1	2	1	2	1	1			1	1	2	x
Vinyl Acetate	x	x	x	x		1	2	1	1						1	1	1	1
Vinyl chloride	x	x	x	x	x	x	x	x	1	1			x	x	1	1	1	1
White spirit	x	x	x	x	1	x	x	x	x	x					1	1	x	x
Xylene	x	x	x	x	x	x	x	x	x	x	1	2	2	2	1	1	2	2
Zinc chloride	1	1	1	1	1	2	1	2	1	1	2	1	1	1	1	1	1	1
Zinc sulphate	1	1	1	1	1	2	1	1	1	1			1	1	1	1	1	1