



STOURFLEX®

J & P Supplies Ltd

Expansion Joints & Pipeline Equipment

Chemical Resistance for Stourflex Rubber Bellows.

	Yellow	Red	White	Green		Yellow	Red	White	Green		Yellow	Red	White	Green
Acetaldehyde	D	A	D	C	Ethylene glycol, diethylene glycol	A	A	A	A	Oxygen	A	A	A	A
Acetic acid:					Ferrous salts, non-oxidising	A	A	A	A	Ozone	D	A	D	A
<i>diluted 30%, 40°C</i>	B	A	B	A	Formaldehyde, formalin, 40°C	B	A	B	B	Palmitic Acid	A	B	A	B
<i>glacial, 40°C</i>	C	A	C	C	Formic acid, 40°C	B	A	B	A	Paraffin, kerosene	A	D	A	D
Acetic anhydride, 40°C	C	B	C	A	Fuel Oil	A	D	A	C	Perchloroethylene	C	D	C	D
Acetone	D	A	D	C										
Acetylene	B	B	B	B	Furan, furfuran	D	C	D	D	Petrol, 100 octane	C	D	C	D
Ammonia, cold gas	A	A	A	A	Furfural	D	B	D	B	Petrol, 65 octane	B	D	B	C
Ammonia, gas at 65°C	C	B	C	B	Glucose, grape sugar	A	A	A	A	Petroleum ether	A	D	A	C
Ammonia, liquid	B	A	B	B	Glycerine, glycerol	A	A	A	A	Petroleum oils, high aromatic content, 40°C	B	D	B	C
Ammonium hydroxide, dil. am. < 40°C	C	B	C	A	Green liquor and white liquor	A	A	A	A					
Amyl acetate	D	A	D	D	Hydraulic oil, mineral oil-base or phosphate-ester base	A	D	A	B	Petroleum oils, ar. cont., 40°C	A	D	A	B
Aniline	D	B	D	D	Hydrobromic acid, max. 40°C	C	A	C	A	Phenol	D	B	D	C
Aniline dyes	D	A	D	B	Hydrobromic acid, 37%, 70°C	D	C	D	B	Phosphoric acid, 45%, 40°C	B	A	B	A
Animal fats	A	C	A	B	Hydrochloric acid, diluted	A	A	A	A	Phosphoric acid, 85%, 40°C	C	A	C	A
Arsenic acid	A	A	A	A	Hydrofluoric acid, concentrate 37°C	B	A	B	A	Plating solutions, w/o chromium	A	A	A	A
Asphalt	B	D	B	C	Hydrofluoric acid, 50%, 40°C	C	A	C	A	Propane, LP-gas	A	D	A	A
	A	A	A	A	Hydrofluoric acid, concentrate, 40°C	C	A	C	B	Propanol, propyl alcohol	A	A	A	A
Benzene, benzol	D	D	D	D	Hydrofluosilicic acid, 40°C	B	A	B	A	Rapeseed oil	A	A	A	B
Black liquor	A	D	A	B	Hydrogen	A	A	A	A	Roslin oil	A	D	A	B
Bromine, liquid	D	E	D	D	Hydrogen Peroxide:					Salicylic acid	A	A	A	A
Butane	A	D	A	A	3%, 40°C	A	A	A	A	Salt Solutions, non-oxidising	A	A	A	A
Butanol, butyl alcohol	A	A	A	A	30%, 20°C	A	A	A	A	Sewage water	A	A	A	A
Butyl acetate	D	A	D	D	90%, 20°C	A	A	A	A	Silicofluoric acid, 40°C	B	A	B	A
Calcium chloride solutions, see calcium hypochlorite					Hydrosulphuric acid:					Sodium hypochlorite, max. 10 g/litre free chlorine, 40°C	B	A	B	A
					<i>dry, room temp.</i>	A	A	A	A					
					<i>wet, room temp.</i>	D	A	D	B					
Calcium hypochlorite, pH7, < 10 g/litre	B	A	B	A	Hydrosulphuric acid, wet, 40 °C	D	B	D	C	Sod. Hydrochlorine, < 10 g/l free Cl, 40°C	C	C	C	B
Calcium hypochlorite, < 10 g/litre, 40°C	C	C	C	A	Lactic acid	A	A	A	A	Styrene, 40°C	C	D	C	D
Caustic potash, potassium hydroxide	A	A	A	A	Linseed oil	A	B	A	B	Sugar solutions	A	A	A	A
Caustic soda, sodium hydroxide	A	A	A	A	Liquid manure	A	A	A	A	Sulphur, molten	D	A	D	B
Caustic soda, sodium hydroxide	B	A	B	A	LP - gas	A	D	A	A	Sulphur chloride, 40°C	D	D	D	B
Cellosolve acetate	D	B	D	C	Lubricating oil	A	D	A	C	Sulphur dioxide, dry gas, 40°C	D	A	D	C
Cellosolve, ethylene glycol	D	B	D	C	Methanol, methyl alcohol, wood alcohol	A	A	A	A	Sulphur trioxide, dry gas	D	B	D	D
Chlorine gas, dry, 40°C	B	C	B	B	Methyl chloride	D	C	D	D	Sulphuric acid:				
Chlorine gas, wet, 40°C	C	C	C	C	Methyl ethyl ketone MEK	D	A	D	D	<i>up to 60%</i>	C	A	C	A
Chlorine solution, 0.1 g/l free chlorine	A	A	A	A	Methyl isobutyl ketone	D	B	D	D	<i>60%, 50°C</i>	D	A	D	A
										<i>up to 60-75%, 50°C</i>	D	B	D	A
Chlorine sol. 0.1-1 g/l free chlorine	A	A	A	A	Methyl isopropyl ketone	D	B	D	D	Sulphuric acid, up to 75-80%, 50°C	D	C	D	B
Chlorine sol. 1-10 g/l free chlorine, 40°C	B	B	B	B	Methylene Chloride	D	D	D	D	Sulphuric acid:				
Chlorine sol. < 10 g/l free chlorine, 40°C	C	C	C	C	Milk	A	A	A	A	<i>85-96%, 50°C</i>	D	D	D	C
					Natural gas	A	D	A	C	<i>fuming, Oleum</i>	D	D	D	D
					Nitric acid, 20%, room temp., 40°C	C	A	C	A	Sulphurous acid, 40°C	B	A	B	A
										Tra, 40°C	B	D	B	C
Chlorosulphuric acid	D	D	D	D	Nitric acid:					Toluene, toluol	D	D	D	D
Chromic acid	D	C	D	B	20%, 50°C	D	B	D	A	Transformer oil:				
Coal gas	A	A	A	A	40%, 50°C	D	B	D	A	<i>Chlorated hydrocarbon</i>				
Detergent	A	A	A	A	50%, 50°C	D	C	D	B	<i>Mineral oil based</i>	A	D	A	B
Diesel oil	A	D	A	C	60%, room temp.	D	D	D	C	Trichloroethylene, 40°C	C	D	C	D
					70%, room temp.	D	D	D	C	Turpentine, terpene	B	D	B	D
Ethane, ethylene	A	D	A	B	Nitric acid, fuming	D	D	D	D	Vegetable oils	A	A	A	A
Ethanol, ethyl alcohol	A	A	A	A	Nitrobenzene	D	C	D	D	Water:				
Ether, diethyl ether, ethyl ether	C	C	C	D	Nitrogen	A	A	A	A	<i>distilled</i>	A	A	A	A
Ethyl acetate	D	B	D	D	Nitrous gasses	D	C	D	D	<i>fresh</i>	A	A	A	A
Ethyl chloride	A	A	A	C	Olive oil	A	B	A	B	<i>fresh and distilled, 100°C</i>	B	A	B	B
										<i>salt</i>	A	A	A	A
Ethyl glycol, see Cellosolve					Oleic acid	C	A	C	C	Wine	A	A	A	A
Ethylene chloride	C	D	C	D	Oxalic acid	B	A	B	B	Xylene, xylol	D	D	D	D

- A Negligible effect. Recommended
- B Slight effect. Often appropriate
- C Strong effect. Appropriate only in some cases
- D Inappropriate

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