

Sylveo LED Chemical Resistance Chart

Chemical	Aluminium housing & galvanised steel bracket	Tempered glass	Stainless steel gland & screws	Silicone seals	
Acetic Acid 20%	Yellow	Green	Green	Green	Excellent Resistance
Acetic Acid 80%	Yellow	Yellow	Green	Green	Good-Fair Resistance
Acetone	Green	Green	Green	Red	Poor Resistance
Alcohol: Amyl	Yellow	Yellow	Green	Yellow	
Alcohol: Benzyl	Yellow	Green	Green	Yellow	
Alcohol: Butyl	Yellow	Green	Green	Yellow	
Alcohol: Diacetone	Green	Red	Green	Red	
Alcohol: Ethyl	Yellow	Yellow	Green	Yellow	
Alcohol: Hexyl	Green	Red	Green	Yellow	
Alcohol: Isobutyl	Yellow	Yellow	Green	Green	
Alcohol: Isopropyl	Yellow	Green	Green	Green	
Alcohol: Methyl	Green	Yellow	Green	Green	
Alcohol: Octyl	Green	Red	Green	Yellow	
Alcohol: Propyl	Green	Green	Green	Green	
Ammonia 10%	Green	Red	Green	Green	
Aniline	Yellow	Red	Green	Yellow	
Aromatic Hydrocarbons	Green	Red	Green	Red	
Benzine	Yellow	Red	Green	Red	
Butane	Green	Red	Green	Red	
Carbon Dioxide (dry)	Yellow	Green	Green	Yellow	
Carbon Monoxide	Green	Green	Green	Green	
Carbon Tetrachloride	Red	Red	Yellow	Red	
Caustic Soda (Sodium Hydroxide) 2% Caustic	Red	Red	Yellow	Green	
Caustic Soda (Sodium Hydroxide) 10% Caustic	Red	Red	Yellow	Green	
Chloroform	Yellow	Red	Green	Red	
Common Salt (Sodium Chloride)	Yellow	Green	Green	Green	
Crude Oil	Green	Yellow	Green	Red	
Diesel Oil	Green	Yellow	Green	Red	
Ethane	Green	Red	Green	Red	
Ether	Yellow	Red	Green	Green	
Ethyl Acetate	Green	Red	Green	Green	
Glycerin	Green	Green	Green	Green	
Glycol (Ethylene)	Green	Yellow	Green	Green	
Glycol (Propylene)	Yellow	Yellow	Yellow	Red	
Hexane	Green	Red	Yellow	Red	
Hydrobromic Acid	Red	Yellow	Yellow	Red	
Hydrochloric Acid 20%	Red	Yellow	Red	Red	

Hydrogen Peroxide 10%	Green	Green	Green	Red
Hydrogen Peroxide 30%	Green	Green	Yellow	Red
Hydrogen Peroxide 100%	Green	Green	Yellow	Red
Hydrogen Sulphide (dry)	Yellow	Green	Yellow	Red
Ketones	Yellow	Red	Green	Green
Methanol	Green	Yellow	Yellow	Green
Milk of Lime (Calcium Hydroxide)	Yellow	Red	Yellow	Green
Nitric Acid 5-10%	Green	Green	Yellow	Green
Nitric Acid 20%	Red	Yellow	Yellow	Red
Pentane	Yellow	Green	Yellow	Red
Petroleum	Red	Red	Green	Red
Phenol 10%	Green	Yellow	Yellow	Red
Pyridine	Yellow	Red	Yellow	Red
Propane	Green	Yellow	Green	Red
Seawater	Yellow	Green	Green	Green
Soapsuds	Yellow	Green	Green	Green
Soda (Sodium Carbonate)	Red	Green	Yellow	Green
Carbon Tetrachloride	Red	Green	Yellow	Yellow
Sulfuric Acid >10%	Red	Yellow	Red	Red
Sulphurous Acid	Yellow	Yellow	Green	Red
Synthetic Detergent	Yellow	Green	Green	Green
Turpentine	Green	Red	Green	Red
Vegetable oils	Green	Green	Green	Green
Water up to 60°C	Green	Green	Green	Green
Xylene	Green	Red	Green	Red

The above chemical resistance information is provided for guidance only. This information has been collated from data provided by our material suppliers, at an ambient temperature of +25°C. Chemical resistance is dependent on, and will vary accordingly with a number of factors, such as concentration, mix of chemicals, humidity, air flow, exposure time etc. We always recommends that any product be tested within the intended environment, should any doubts regarding chemical compatibility exist. More specific guidance can be provided by our technical department upon advisement of the particular environmental conditions concerned.

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