



Modulight chemical compatibility check list

If the lights are going into a harsh chemical environment, chemical compatibility needs to be checked for corrosion on the fitting.

Modulight are made with the following exposed materials:

- Aluminum 6063
- Acrylic
- Stainless Steel
- Mild Steel

Modu-Grow lights are made with the following exposed materials:

- Aluminum 6063
- Acrylic
- Stainless Steel
- Mild Steel



Tables for Chemical Resistance

Ambient temperature 20° C

- Resistant
- Resistant within limits
- Not resistant
- † Resistant when saturated, resistant within limits when saturated.

Chemical Material Investigated	Aluminium	Fibreglass	Acrylic	Polycarbonate	Stainless Steel	Chemical Material Investigated	Aluminium	Fibreglass	Acrylic	Polycarbonate	Stainless Steel
Accumulator Acid	—	●	●	●	●	Hydrochloric Acid 96%	—	●	●	●	—
Acetic Acid up to 5%	●	●	●	●	●	Hydrogen Peroxide over 40%	●	—	●	—	●
Acetic Acid up to 15%	—	●	●	●	●	Hydrogen Sulphide	●	●	●	●	●
Acetone	●	—	—	—	●	Ketones	●	—	—	●	●
Alcohol up to 30%	●	●	●	●	●	Lyso	●	—	—	—	●
Alcohol concentrate	●	—	—	●	●	Metal Salts					
Ammonia 25%	●	●	●	●	●	and their aqueous solutions	—	●	●	●	●
Aniline	●	—	—	—	●	Methanol	●	●	—	●	●
Aromatic Hydrocarbons	●	●	●	†	●	Methylene Chloride	●	—	—	—	●
Benzine	●	—	—	●	●	Milk of Lime	—	—	—	●	●
Carbon Dioxide	●	●	●	●	●	Nitric Acid 5%	—	●	●	●	●
Carbon Monoxide	●	●	●	●	●	Nitric Acid 30%	—	●	●	●	●
Carbon Tetrachloride	●	●	●	●	●	Nitric Acid concentrate	—	—	—	—	●
Caustic Soda 2%	—	●	●	—	●	Petrol	●	●	●	●	●
Caustic Soda 10%	—	—	●	—	●	Petroleum Ether	●	●	●	●	●
Chloroform	●	—	—	—	●	Phenol	●	—	—	—	●
Common Salt	●	●	●	●	●	Pyridine	●	—	—	—	●
Crude Oil	●	●	●	†	●	Sea Water	●	●	●	●	●
Diesel Oil	●	●	●	●	●	Soap Suds	●	●	●	†	●
Dioxane		●	—	—	●	Soda	—	●	●	●	●
Ether	●	●	—	—	●	Sulphuric Acid 5%	—	●	●	●	—
Ethyl Acetate	●	—	—	●	●	Sulphuric Acid 30%	—	●	●	●	—
Glycerine	●	●	●	●	●	Sulphuric Acid concentrate	—	—	—	●	—
Glycol	●	●	●	●	●	Sulphurous Acid 5%	●	●	●	—	●
Hydrobromic Acid	—	—	●	—	—	Synthetic detergent	—	●	●	●	●
Hydrocarbons	●	●	●	†	●	Turpentine	●	●	●	●	●
Hydrochloric Acid 5%	—	●	●	●	—	Water up to 70° C	●	●	●	●	●
Hydrochloric Acid 30%	—	●	●	●	—	Xylene	●	—	—	—	●



sales@telec.co.za
www.telec.co.za



+27 11 763 5718
+27 11 763 3296



100 Albertina Sisulu Road
Roodepoort, Johannesburg
South Africa 1724