# TABLE OF TANK CHEMICAL RESISTANCE TO SOME FLUIDS AND REAGENTS

| PRODUCT | °C | |
|---|---|---|
| | 23° | 60° |
| Acetic acid (10%) | R | R |
| Acetic acid (50%) | R | LR |
| Acetic aldehyde | LR | NR |
| Acetic anhydride | NR | NR |
| Air | R | R |
| Alcohol butilico | R | R |
| Alcohol from coconut oil | R | R |
| Alcool amilico | R | R |
| Alum (all types) | R | R |
| Aluminium chloride (all conc.) | R | R |
| Aluminium fluoride (all conc.) | R | R |
| Aluminium sulphate (all conc.) | R | R |
| Amm. persulphate (sat. sol.) | R | R |
| Ammonia (100% gas) | R | R |
| Ammonium carbonate | R | R |
| Ammonium chloride (sat. sol.) | R | R |
| Ammonium fluoride (sat. sol.) | R | R |
| Ammonium hydrate (10%) | R | R |
| Ammonium hydrate (30%) | R | R |
| Ammonium nitrate (sat. sol.) | R | R |
| Ammonium sulphate (sat. sol.) | R | R |
| Amyl acetate | NR | NR |
| Amyl chloride | NR | NR |
| Aniline | NR | NR |
| Aqua-regia | NR | NR |
| Aromatic hydrocarbons | NR | NR |
| Arsenic acid (all conc.) | R | R |
| Ascorbic acid (10%) | R | R |
| Barium carbonate (sat. sol.) | R | R |
| Barium chloride (sat. sol.) | R | R |
| Barium hydrate | R | R |
| Barium sulphate (sat. sol.) | R | R |
| Barium sulphide (sat. sol.) | R | R |
| Beer | R | R |
| Benzene | NR | NR |
| Benzoic acid (all conc.) | R | R |
| Bismuth carbonate (sat. sol.) | R | R |
| Borax | R | R |
| Boric acid (all conc.) | R | R |
| Boron tetrafluoride | R | R |
| Brine | R | R |
| Bromium (liquid) | NR | NR |
| Butanediol (10 %) | R | R |
| Butanediol (100%) | R | R |
| Butanediol (50%) | R | R |
| Butyl acetate | NR | NR |
| Butyric acid (all conc.) | NR | NR |
| Calcium carbonate (sat. sol.) | R | R |
| Calcium chlorate (sat. sol.) | R | R |
| Calcium chloride (sat. sol.) | R | R |
| Calcium disulphite | R | R |
| Calcium hydrate (all conc.) | R | R |
| Calcium nitrate (50%) | R | R |
| Calcium oxide (sat. sol.) | R | R |
| Calcium sulphate | R | R |
| Camphor oil | LR | NR |
| Carbon dioxide | R | R |
| Carbon oxide (all conc.) | R | R |
| Carbon sulphide | NR | NR |
| Carbon tetrachloride | LR | NR |
| Carbonic acid | R | R |
| Castor oil (all conc.) | R | R |
| Chlorine (100% dry gas) | LR | NR |
| Chlorine water (sat. sol. 2%) | R | R |
| Chlorobenzene | NR | NR |

| PRODUCT | °C | |
|---|---|---|
| | 23° | 60° |
| Chloroform | LR | NR |
| Chlorosulphonic acid (100%) | NR | NR |
| Cider | R | R |
| Citric acid (sat.) | R | R |
| Coffee | R | R |
| Cola concentrates | R | R |
| Copper chloride (sat.) | R | R |
| Copper cyanide (sat.) | R | R |
| Copper fluoride (2%) | R | R |
| Copper nitrate (sat.) | R | R |
| Copper sulphate (sat.) | R | R |
| Corn oil | R | R |
| Cotton oil | R | R |
| Dextrin | R | R |
| Dextrose | R | R |
| Dextrose (sat. water sol.) | R | R |
| Diazonium salts | R | R |
| Dibutyl phthalate | LR | LR |
| Dichlorobenzene (ortho and para) | NR | NR |
| Diesel for domestic use | LR | LR |
| Diesel for motor vehicles | LR | LR |
| Diethyl chetone | LR | LR |
| Diethylene glycol | R | R |
| Diglycolic acid | R | R |
| Dimethylamine | NR | NR |
| Disodium phosphate | R | R |
| Emulsifiers for photography | R | R |
| Ethane dichloride | NR | NR |
| Ethyl acetate | LR | NR |
| Ethyl alcohol | R | R |
| Ethyl alcohol (35%) | R | R |
| Ethyl benzene | NR | NR |
| Ethyl chloride | NR | NR |
| Ethyl ether | NR | NR |
| Ethylene glycol | R | R |
| Ethylene trichloride | NR | NR |
| Fluoboric acid | R | R |
| Fluosilicic acid | R | LR |
| Fluosilicic acid (30%) | R | R |
| Formic acid (all conc.) | R | R |
| Fructose | R | R |
| Fruit pulp | R | R |
| Furfurolo | NR | NR |
| Furfuryl alcohol | LR | LR |
| Gallic acid | R | R |
| Glucose | R | R |
| Glycerol | R | R |
| Glycol | R | R |
| Glycolic acid | R | R |
| Hexachlorobenzene | R | R |
| Hexanol (commercial) | R | R |
| Hydrochloric acid (all conc.) | R | R |
| Hydrochloric acid (dry gas) | R | R |
| Hydrocyanic acid | R | R |
| Hydrogen | R | R |
| Hydrogen bromide (50%) | R | R |
| Hydrogen fluoride (40%) | R | R |
| Hydrogen fluoride (60%) | R | R |
| Hydrogen sulphide | R | R |
| Hydroquinone | R | R |
| Hypochlorous acid | R | R |
| Ink | R | R |
| Iodine (sol. in KJ) | LR | NR |
| Iron chloride (ico) | R | R |
| Iron chloride (oso) | R | R |

| PRODUCT | °C | |
|---|---|---|
| | 23° | 60° |
| Iron nitrate (ico) | R | R |
| Iron sulphate (oso) | R | R |
| Lead acetate | R | R |
| Lead nitrate | R | R |
| Liquid chlorine | NR | NR |
| Liquids to develop photographs | R | R |
| Lye (10%) | R | R |
| Magnesium carbonate | R | R |
| Magnesium chloride | R | R |
| Magnesium hydroxide | R | R |
| Magnesium nitrate | R | R |
| Magnesium sulphate | R | R |
| Mercury | R | R |
| Methyl alcohol (100%) | R | R |
| Methylene chloride (100%) | LR | NR |
| Milk | R | R |
| Mineral oils | R | LR |
| Naphtha | LR | NR |
| Naphthalene | NR | NR |
| n-Heptane | LR | LR |
| Nickel chloride | R | R |
| Nickel nitrate | R | R |
| Nickel sulphate | R | R |
| Nicotine (diluted) | R | R |
| Nitric acid (30%) | R | R |
| Nitric acid (50%) | R | LR |
| Nitric acid (70%) | R | LR |
| Nitric acid (95%) | NR | NR |
| Nitrobenzene | NR | NR |
| n-Octane | R | R |
| Olive oil | R | NR |
| Oxalic acid | R | R |
| Perchloroethylene | NR | NR |
| Petrol | NR | NR |
| Potassium bicarbonate | R | R |
| Potassium bromide | R | R |
| Potassium carbonate | R | R |
| Potassium chlorate | R | R |
| Potassium chloride | R | R |
| Potassium chromate (40%) | R | R |
| Potassium cyanide | R | R |
| Potassium dichromate (40%) | R | R |
| Potassium ferrocyanide II | R | R |
| Potassium ferrocyanide III | R | R |
| Potassium fluoride | R | R |
| Potassium hydroxide (conc.) | R | R |
| Potassium nitrate | R | R |
| Potassium perchlorate (10%) | R | R |
| Potassium permanganate (20%) | R | R |
| Potassium persulphate | R | R |
| Potassium sulphate (conc.) | R | R |
| Potassium sulphide (conc.) | R | R |
| Potassium sulphite (conc.) | R | R |
| Propargyl alcohol | R | R |
| Propyl alcohol | R | R |
| Propylene dichloride (100%) | NR | NR |
| Propylene glycol | R | R |
| Pyridine | R | R |
| Resorcinol | R | R |
| Salicilic acid | R | R |
| Seawater | R | R |
| Selenic acid | R | R |
| Silver nitrate (sol.) | R | R |
| Soap solution (all conc.) | R | R |
| Sodium acetate | R | R |

| PRODUCT | °C | |
|---|---|---|
| | 23° | 60° |
| Sodium benzoate (35%) | R | R |
| Sodium bicarbonate | R | R |
| Sodium borate | R | R |
| Sodium bromide | R | R |
| Sodium carbonate | R | R |
| Sodium chlorate | R | R |
| Sodium chloride | R | R |
| Sodium cyanide | R | R |
| Sodium dichromate | R | R |
| Sodium disulphate | R | R |
| Sodium disulphite | R | R |
| Sodium ferrocyanide | R | R |
| Sodium fluoride | R | R |
| Sodium hydroxide | R | R |
| Sodium hypochlorite | R | R |
| Sodium nitrate | R | R |
| Sodium phosphate (tri) | R | R |
| Sodium sulphate | R | R |
| Sodium sulphide | R | R |
| Sodium sulphite | R | R |
| Solutions for brass plating | R | R |
| Solutions for cadmium plating | R | R |
| Solutions for copper plating | R | R |
| Solutions for gold plating | R | R |
| Solutions for lead plating | R | R |
| Solutions for nickel plating | R | R |
| Solutions for photography | R | R |
| Solutions for silver plating | R | R |
| Solutions for tin plating | R | R |
| Solutions for zinc plating | R | R |
| Starch (saturated solution) | R | R |
| Stearic acid | R | R |
| Sulphorous acid | R | R |
| Sulphuric acid (100%) | R | R |
| Sulphuric acid (50%) | R | R |
| Sulphuric acid (70%) | R | LR |
| Sulphuric acid (80%) | R | NR |
| Sulphuric acid (96%) | LR | NR |
| Sulphuric acid (98%) | LR | NR |
| Sulphuric acid (smoking) | NR | NR |
| Synthetic detergents | R | R |
| Tannico acid | R | R |
| Tetrahydrofuran | LR | NR |
| Tin chloride (ico) | R | R |
| Tin chloride (oso) | R | R |
| Titanium tetrachloride | NR | NR |
| Toluene | LR | LR |
| Triethylene glycol | R | R |
| Turpentine | LR | LR |
| Urea (30%) | R | R |
| Vanilla | R | R |
| Vinegar | R | R |
| Water | R | R |
| Wetting agent | R | R |
| Whisky | R | R |
| Wine | R | R |
| Xylene | NR | NR |
| Yeast | R | R |
| Zinc bromide | R | R |
| Zinc carbonate | R | R |
| Zinc chloride | R | R |
| Zinc oxide | R | R |
| Zinc stereate | R | R |
| Zinc sulphate | R | R |

R = Resistant LR = Limited resistance NR = Not resistant
For information on compatibility for containment of fluids and reagents other than water, it is compulsory to ask for information and approval from the technical office. For use with liquids other than water, remember to take into consideration any differences in specific weight.
* The tanks do not have Fire Brigade certification to contain diesel/gasoline fuel.
For use with liquids and fluids other than water, comply with local standards in force for environment and safety requirements. ELBI guarantees resistance of its PLASTO tanks to liquids declared suitable (R) in the table.

**Maintaining the characteristics of the liquids contained inside tanks should be checked by and are the responsibility of the user.**

### Standard accessories for water

- Connections:
A. with threaded holes
B. with joints: (Fig. 1)

- drainage (3/4")
- inlet (dn 1) and overflow (dn 1) in PP with ring nut and gasket;

- Hole ø 28 for float.

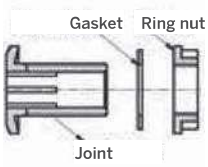


Figure 1