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# Chemical resistance of FOREX®classic

FOREX®classic resists aqueous acids, alkalis and saline solutions as well as oils and aliphatic compounds. On the other hand, it will swell or dissolve in aromatic compounds, chlorinated hydrocarbons, ether, esters and ketones. In general, the resistance of FOREX®classic to chemical reagents depends on reaction time, temperature of application, pressure, purity and concentration of the reagents as well as mechanical stress and other influences. Because of this, **the user must determine the suitability of FOREX®classic prior to its application by running his own field trials.** The following table aims at providing first indications.

| Reagents (at 20°C) | conc. | Resistance |
|---|---|---|
| Acetic acid | 50 % | + |
| Acetone | 100 % | – |
| Ammonia (gas) | 100 % | + |
| Ammonia water | saturated | – |
| Benzene | tech. pure | – |
| Beer | | + |
| Bromide (liquid) | 100 % | – |
| Butane (liquid) | 100 % | + |
| n-Butanol | 100 % | + |
| Butter | | + |
| Carbon tetrachloride | 100 % | – |
| Caustic potash solution | 50 % | + |
| Caustic soda hyd. (soda lye) | 100 % | + |
| Chlorine (dry) | 100 % | o |
| Chloroform | tech. pure | – |
| Cresol | tech. pure | – |
| Cyclohexanon | tech. pure | – |
| Diethyl ether | 100 % | – |
| Diesel fuel | 100 % | + |
| Ethyl acetate | 100 % | – |
| Ethyl alcohol | 96 % | + |
| Ethyl chlorid | 100 % | – |
| Ethylene glycol | tech. pure | + |
| Formic acid | tech. pure | + |
| Formaldehyde | 40 % | + |
| Gasoline (non leaded) | comm. quality | – |
| Glycerine | tech. pure | + |
| Heptane | tech. pure | + |
| Hexane | tech. pure | + |
| Hydrochloric acid | | + |

| Reagents (at 20°C) | conc. | Resistance |
|---|---|---|
| Hydrochloric gas | 100 % | + |
| Hydrogen peroxide | 30 % | – |
| Isopropyl alcohol | tech. pure | + |
| Jam | | + |
| Linseed oil | | + |
| Liqueurs, brandy | | + |
| Methyl ethyl ketone (MEK) | tech. pure | – |
| Methyl alcohol (Methanol) | tech. pure | + |
| Methylene chloride | tech. pure | – |
| Milk | | + |
| Mineral spirit (white spirit) | 100 % | + |
| Mineral oil (hydrocarb.-free) | comm. quality | + |
| Mustard | | + |
| Nitric acid | 36 % | + |
| Petroleum ether (benzine) | comm. quality | + |
| Petroleum (kerosene) | 85 % | + |
| (ortho) Phosphoric acid | 100 % | + |
| Propane (liquid) | tech. pure | – |
| Pyridine | tech. pure | – |
| Olive oil, edible oil | | + |
| Shoe polish | | + |
| Sea water | | + |
| Soap solution | | + |
| Sulfuric acid | 50 % | + |
| Tetrahydrofurane | 100 % | – |
| Toluene | 100 % | – |
| Turpentine (oil) | tech. pure | + |
| Vinegar | comm. quality | + |
| Wine | | + |
| Xylene | 100 % | – |

+ "resistant" / o "limited resistance" / – "not resistant"

Alcan Airex AG
Speciality Foams
CH-5643 Sins, Switzerland
Tel: +41 41 789 66 00
Fax: +41 41 789 66 60
www.alcanairex.com