

THE BX10, BX15, BX30, BX60, BX180 CHEMICAL COMPATIBILITY LIST

Petrol (normal)	++
Petrol (super)	++
Petrol unleaded	++
Diesel fuel	++
Motor oil	++
Vegetable oil	++
Hydraulic oil	++
Kerosene	++
Heating oil	++

Resistance against fuel / oils is good, once we talk about refined products. Crude oils and similar substances are quite aggressive (since containing always mixtures of different aggressive substances) and no general statement can be given without additional testing.

BASES & WATER

Sodium hydroxide 20%	++
Ammonium hydroxide 20%	++
Sodium chloride 30%	++
Potassium hydroxide 30%	++
Calcium hydroxide 20%	++
Magnesium hydroxide 20%	++
Sea water	++
Drinking water	++
Distilled water	++

Resistance against alkaline media is very good overall and in general

DETERGENTS

Detergent 0,1%	++
Soap 0,1%	++

A low concentration of a detergent alone is not very critical, but most of the time detergents are combined with other substances where predictions are extremely difficult without additional testing.

MINERAL ACIDS

Sulfuric acid 10%	++
Nitric acid 10%	++
Hydrochloric acid 10%	++
Phosphoric acid 10%	++

ORGANIC ACIDS & ALCOHOLS

Acetic acid 10%	++
Citric acid 10%	++
Formic acid 10%	++
Lactic acid 10%	++
Blends of ethanol and methanol 10%	++

Resistance towards acids and organic acids is good overall and general (also blends with water and ethanol).

Chemical resistance of a system is strictly depending on the curing conditions and degree of cure of the final epoxy system. In case of insufficient cure, all statements from above are no longer valid.

No predictions can be given for mixtures of different media. Even the mixture of 2 per se non-critical substances might have a tremendous effect in the combination of both.

++ Permanent resistance

+ No permanent exposure