KONNECT® FASTENING SYSTEMS

CHEMICAL RESISTANCE TABLE

The chemical anchors have undergone extensive chemical resistance testing. The results are summarised in the tables below.

KONP4C		
Chemical Environment	**Concentration**	**Result**
Aqueous Solution Acetic Acid	10%	✓
Acetone	100%	✖
Aqueous Solution Aluminium Chloride	Saturated	✓
Aqueous Solution Aluminium Nitrate	10%	✓
Ammonia Solution	5%	✖
Jet Fuel	100%	✖
Benzene	100%	✖
Benzoic Acid	Saturated	✓
Benzyl Alcohol	100%	✖
Sodium Hypochlorite Solution	5 - 15%	✓
Butyl Alcohol	100%	C
Calcium Sulphate Aqueous Solution	Saturated	✓
Carbon Monoxide	Gas	✓
Carbon Tetrachloride	100%	✖
Chlorine Water	Saturated	✖
Chloro Benzene	100%	✖
Citric Acide Aqueous Solution	Saturated	✓
Cyclohexanol	100%	✓
Diesel Fuel	100%	C
Diethylene Glycol	100%	✓
Ethanol	95%	✖
Ethanol Aqueous Solution	20%	C
Heptane	100%	C

KONP4C		
Chemical Environment	**Concentration**	**Result**
Hexane	100%	C
Hydrochloric Acid	10%	✓
	15%	✓
	25%	C
Hydrogen Sulphide Gas	100%	✓
Isoproyl Alcohol	100%	✖
Linseed Oil	100%	✓
Lubricating Oil	100%	✓
Mineral Oil	100%	✓
Paraffin / Kerosene (Domestic)	100%	C
Phenol Aqueous Solution	1%	✖
Phosphoric Acid	50%	✓
Potassium Hydroxide	10% / pH13	C
Sea Water	100%	C
Styrene	100%	✖
Sulphur Dixoide Solution	10%	✓
Sulphur Dioxide (40°C)	5%	✓
Sulphuric Acid	10%	✓
	50%	✓
Turpentine	100%	C
White Spirit	100%	✓
Xylene	100%	✖

✓ = Resistant to 75°C with at least 80% of physical properties retained.
C = Contact only to a maximum of 25°C | ✖ = Not Resistant

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Butyl Alcohol	100%	C
Calcium Sulphate Aqueous Solution	Saturated	✓
Carbon Monoxide	Gas	✓
Carbon Tetrachloride	100%	✓
Chlorine Water	Saturated	✓
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