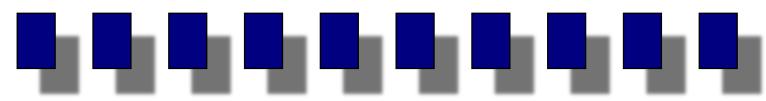
## Intek Adhesives Ltd RTV Silicones to Bond Seal • Insulate Weatherproof





## TYPICAL CHEMICAL RESISTANCE OF RTV SILICONE SEALANTS

This list does not pretend to be exhaustive but does give an indication of the typical resistance of RTVsilicone rubbers to various common chemicals, solvents, foodstuffs, etc It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, and that the actual conditions of use are suitable as every job is different.

## Key: R = No change after 7 days Blank = Not Recommended ND = No data on this chemical

20	°C 60	°C 10	0°C		20°C	60°C 1	00°C
Acetaldehyde Acetic Acid 10% Acetic Acid	R R	R R	R R	Caustic Soda Potash Chlorates of Na, K, Ba Chlorine (dry)	R R R	R R <sup>3</sup> R	R R R
(glacial & anhydrous) Acetic Anhydride Acetone	$R^1$ $R$ $R^1$	R R R	R R R	Chlorine (wet) Chlorides of Na, K, Mg Chloroacetic Acid Chlorobenzene	R R R R	R R R R	R R R
Other Keytones Acid Fumes Alcohols (mostly fatty)	R <sup>1</sup> R <sup>4</sup> R	R R R	R R R	Chloroform Chromic Acid 80% Citric Acid Copper Salts (most)	R <sup>3</sup> R <sup>5</sup> R R	R R R	R R R
Aliphatic Esters Alkyl Chlorides Alum Aluminium Chloride	R <sup>3</sup> R <sup>2</sup> R R	R R R	R R R	Cresylic Acid Cyclohexane Detergents (synthetic)	$R^2$ $R^2$ $R$	R ND R	R ND R
Ammonia (anhydrous)GAS OK Ammonia (aqueous) Ammonium Chloride Amyl Acetate	$R$ $R$ $R$ $R^2$	ND R R	ND R R R	Emulsifiers (all conc.) Ether Fatty Acids >C6	R R	R R	R R
Aniline Antimony Trichloride Aqua Regia	R R	R R	R R R	Aerosols eg Freon Fluorine (dry) (wet) Fluosilicic Acid	R <sup>2,7</sup>	R	R
Aromatic Solvents Beer Benzoic Acid Boric Acid Carbonic Acid	R <sup>2</sup> R R R R	R R R R	R R R R	Formaldehyde (40%) Formic Acid Fruit Juices Gelatine Glycerine Glycols	R R R R R	R ND R R R R	R ND R R R



20	°C	60°C	100°C		20°C	60°C	100°C
Hydrobromic Acid (50%)	R	R	R				
Hydrochloric Acid 10%		K	K	Dana CC n Warr	D	D	D
Hydrochloric Acid (conc)	$R^3$			Paraffin Wax Phenol	R R	R R	R R
Hydroflouric Acid 40%				Phosphoric Acid 35%	R	R	R
Hydrofluoric Acid 75% Hydrogen Peroxide 30%	R	R	R	Phosphoric Acid 50%	$R^3$	R	R
Hydrogen Peroxide 30-90%	$R^3$	R	R	-	$R^3$		
Hypochlorites	R	R	R	Phosphoric Acid 95% Phosphorous Pentoxide	R R	R R	R R
Latic Acid 100%	R	R	R	Phthalic Acid	R	R	R
Lead Acetate	R	$R^3$	R	Sea Water	R	R	R
Lime (CaO)	R	R	R	Silicic Acid	R	R	R
Maleic Acid	R	R	R	Silicone Fluids	$R^{2,3}$		R
Meat Juices	R	R	R	Silver Nitrate	R	R	R R
Mercuric Chloride	R	R	R	Sodium Carbonate	R	R	R
Mercury	R	R	R	Sodium Peroxide	R	R	R
Milk and its products	R	R	R	Sodium Sulphide	R	R	R
Moist Air	R	R	R	Stannic Chloride	R	R	R
Molasses	R	R	R	Starch	R	R	R
Naptha	$R^2$	R	R	Sugar, Syrups, Jams	R	R	R
Napthalene	$R^2$	R	R	Sulphates, Na,K,Mg,Co	R	R	R
Nickel Salts	R	R	R	Sulphites	R	R	R
Nitrates Na,K, NH <sub>3</sub>	R	R	R	Sulphur	R	R	R
Nitric Acid 25%	R	R	R	Sulphur Dioxide (dry)	R	R	ND
		IX	K	Sulphur Dioxide (wet)	R	R	ND
Nitric Acid 50%	$R^2$			Sulphur Trioxide	R	R	R
Nitric Acid 95% fuming	$\mathbb{R}^2$			Sulphuric Acid 50% Sulphuric Acid 95%	R	R	R
Oils (essential)	$R^3$	R	R Oils	Sulphuric Acid (Fuming)			
(mineral)	$R^3$	R	R Oils	Sulphur Chlorides			
(veg & animal)	R	R	R	Tallow	$R^3$	R	R
<del></del>				Tannic Acid 10%	R	R	R
Explanatory notes at low tem	nav be	Tartaric Acid 10%	R	R	R		
taken to be true also of high	•		6	R	R		
otherwise stated. Yeast						R	R
1. Not fluorinated si	R R	R	R				
O E1 ' 4 1 '1'		1.1	1	Zinc Chloride			

- 1. Not fluorinated silicone rubbers
- 2. Fluorinated silicone rubbers only
- 3. Depending on the composition or specification of the material
- 4. Depending on the acid
- 5. Up to 50%
- Hard, Soft or Distilled 6.
- 7. Fair resistance



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