Flowcrete
for the world at your feet

COLOURFUL CAR PARK DECKING

ANTI SLIP FINISHES

FAST CURE FLOORING

CORROSION PROTECTION COATINGS

FOOD & BEVERAGE FLOORING

TYPICAL CHEMICAL RESISTANCE OF FLOWCRETE FLOORING MATERIALS

FLOWCRETE AUSTRALIA

Flowfast Chemical Resistance Data

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ANTI SLIP FINISHES

FOOD & BEVERAGE FLOORING

ANTISTATIC SYSTEMS FOR ELECTRONICS MANUFACTURING

FAST CURE FLOORING

HEAVY DUTY SCREEDS

CORROSION PROTECTION COATINGS

www.flowcreteaustralia.com.au

Chemical resistant tests have been completed on Flowcrete's Flowfast range of flooring products....

For resistance data for substances not listed here, we are able to perform additional tests.

For this purpose, you should send a 1kg sample and a material safety data sheet of the substance in question and, if available, a technical data sheet. In addition, please let us know how often and how long the contact time may be, what the maximum concentration of the substance is, and what will be the maximum temperature at which the contact occurs.

A preliminary evaluation is possible within 10 working days, while a complete chemical resistance test takes 2 months.

Please Note...

- Unless otherwise noted, the test was done at room temperature; in general higher temperatures cause a stronger reaction.
- Samples of self-levelling and trowel coatings, sealed with Flowfast Hard Seal were tested.
- Unsealed coatings or those sealed with other products could show lower resistance characteristics.
- Chemicals might cause discolouration, without affecting the coatings performance.
- Discolouration/staining is not classified as chemical attack if hardness is unchanged.
- Higher temperatures will reduce the chemical resistance shown in the performance table.
- Some chemicals may concentrate due to evaporation and become more aggressive.
- Mixtures of chemicals can be more aggressive than might be expected from the individual components alone.

ACIDS (tested at 20–25°C unless stated)	%	TEST RESULT
Acetic Acid	25	+
Acetic Acid	30	0
Acetic Acid	80	–
Boric Acid	3	+
Chromic Acid	20	+
Chromic Acid	40	–
Fatty Acid (Tall Oil)		+
Formic Acid	10	+
Formic Acid	30	0
Hydrochloric Acid (conc.)	37	+
Lactic Acid	90	+
Nitric Acid	10	+
Nitric Acid (conc.)		–
Nitric Acid	30	0
Oxalic Acid	10	+
Phosphoric Acid	40	+
Phosphoric Acid (conc.)		0
Sulphuric Acid	50	+
Sulphuric Acid (conc.)		–
Tartaric Acid	50	+

ALKALIS (tested at 20–25°C unless stated)	%	TEST RESULT
Aluminium Hydroxide		+
Amines		0
Ammonia	10	+
Ammonia	25	0
Caustic Soda		+
Lime Milk		+
Potassium Hydroxide	50	+
Sodium Hydroxide	30	+

ORGANIC SUBSTANCES (tested at 20–25°C unless stated)	%	TEST RESULT
Acetone		–
Aromas		–
Benzene		–
Brake Fluid		–

ORGANIC SUBSTANCES (tested at 20–25°C unless stated)	%	TEST RESULT
Butanol		0
Butyl Acetate		–
Butylether		–
Chloroform		–
Cyclohexane		0
Dibutyl Phthalate		0
Diesel		+
Diesel Oil		+
Diethylether		–
Dioctyl Phthalate		0
Ethanol		0
Formaldehyde	37	+
Glycerine		0
Heptane		+
Hexane		+
Isopropyl Alcohol		0
Kerosene		+
Methanol		–
Methylene Chloride		–
Mineral Spirits		0
Monochlorbenzene		0
N-propyl Acetate		–
N-propyl Alcohol		0
Perchlorethylene		–
Petrol (gasoline) medium		0
Petrol (gasoline) normal		0
Petroleum		+
Phenol		0
Solvent naphtha		+
Styrene		–
Turpentine		+
Tetrachloro-hydrocarbons		–
Toluol		–
Trichloroethylene		–
White Spirit		+
Xylol		–

Chemical resistance ratings are classified as follows…

+ RESISTANT

Continuous contact seems possible based upon the preliminary test with this medium.

0 LIMITED RESISTANCE

With long term continuous contact, softening or swelling cannot be excluded. Intermittent contact is generally possible.

– NOT RESISTANT

Damage to the Flowfast coating can occur even with intermittent contact.

OTHER (tested at 20–25°C unless stated)	%	TEST RESULT
Ammonia		+
Ammonium Chloride Solution – Saturated		+
Ammonium Sulphate Solution – Saturated		+
Animal Fat		+
Antifreeze		+
Beer		+
Black Tea		+
Bleach		+
Blood		+
Brandy		+
Calcium Chloride Solution – Saturated		+
Chlorine Water		+
Coffee		+
Copper Sulphate Solution – Saturated		+
Crude Oil		+
Cutting Oils		0
Deionised Water		+
Dog Urine		+
Effluent (Faeces)		+
"FEWA"		+
Fruit Juice		+
Hydraulic Fluid		0
Hydrogen Peroxide	30	+
Hydrogen Peroxide	80	0

OTHER (tested at 20–25°C unless stated)	%	TEST RESULT
Lake Water		+
Lard		+
Linseed Oil		+
Milk		+
Mineral Oil		+
Mineral Water		+
Olive Oil		+
"Persil"		+
Potassium Chloride Solution – Saturated		+
"Pril"		+
"REI"		+
Ricinus Oil		+
Silicone Oil		+
Soap Solution		+
Soda		+
Sodium Carbonate Solution – Saturated		+
Sodium Chloride Solution – Saturated		+
Sodium Hypochlorite	15	+
Stain Remover		–
Tap Water		+
Vegetable Juice		+
Vinegar		+
Water (70°C)		0
Whiskey		0
Wine		+

Any recommendation or suggestion relating to the use of the products made by Flowcrete, whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.

Note: The data contained herein is based on laboratory tests performed under carefully controlled conditions. No warranty can be expressed or implied regarding the accuracy of this information, as it will apply to actual operational use. Plant operations vary widely, and the individual results obtained are affected by the specific conditions encountered, which are beyond our control.

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