BUILDING TRUST

CHEMICAL RESISTANCE CHART
Sika Duoflex® NS/SL

1 CHEMICAL RESISTANCE OVERVIEW

The data on this chart is based on short-term (30–60 day) laboratory immersion tests in a controlled environment (72–77ºF). It is to be used only as a guide in selecting the proper coating, lining or sealant for a particular chemical environment. Many factors must be considered when choosing the correct product for an application, including:

- Chemical (single or combination) exposure
- Operating temperature
- Temperature fluctuations
- Type of substrate and its condition
- Mechanical abuse
- Degree of protection required

It is always best to test a product in the specific chemical environment prior to use. Test coupons will be furnished upon request.

2 CHEMICAL RESISTANCE

CHEMICAL	RESISTANCE	CHEMICAL	RESISTANCE
ACETIC ACID, 10%	2	BENZOLFLEX 9-88	3
ACETIC ACID, 25%	2	BENZOIC ACID	2
ACETIC ACID, 50%	2	BORIC ACID	1
ACETIC ACID, GLACIAL	3	BROMINE, LIQUID	NR
ACETONE	2	BUTYL ACETATE	3
ACRYLONITRILE	3	BUTYL CELLOSOLVE	1
ALUMINUM SULFATE	1	BUTYL CELLOSOLVE ACETATE	3
AMMONIUM CHLORIDE	1	BUTYL OXITOL	1
AMMONIUM HYDROXIDE	2	CALCIUM CHLORIDE	1
AMMONIUM NITRATE	2	CALCIUM HYDROXIDE	1
AMMONIUM PERCHLORATE, 50%	1	CALCIUM HYPERCHLORITE	1
AMMONIUM PERSULFATE	1	CARBON DISULFIDE	NR
AMMONIUM POLYPHOSPHATE	1	CARBON TETRACHLORIDE	3
AMYL ALCOHOL	1	CARBITOL ACETATE	NR
ANILINE	NR	CHLORINATED WATER, 100 ppm	1
BARIUM HYDROXIDE, 10%	1	CHLOROBENZENE	NR
BENZENE	NR	CHROMIC ACID, 10%	NR

CHEMICAL	RESISTANCE
CHROMIC ACID, 15%	NR
CHROMIC ACID, 30%	NR
CHROMIC ACID, 35%	NR
CITRIC ACID	2
COPPER SULFATE	1
CREOSOTE	NR
CRESYLIC ACID	NR
CUMENE HYRDOPEROXIDE	NR
CYCLOHEXANE	1
DIESEL FUEL	1
DIETHYLENE GLYCOL	1
EPICHLOROHYDRIN	NR
ETHYL ACETATE	2
ETHYL ACRYLATE	3
ETHYL ALCOHOL	1
2-ETHYL HEXYL ACRYLATE	1
ETHYLENE DICHLORIDE	NR
ETHYLENE GLYCOL	2
FERRIC CHLORIDE	2
FERROUS SULFATE, 10%	1
FUEL FORMIC ACID, 10%	NR
FORMIC ACID, 90%	NR
FORMIC ACID, 98%	NR
FUEL OIL/DIESEL	1
GASOLINE, LEADED	1
GLYCERINE	1
HEPTANE	1
HEXANE	1
HEXYLENE GLYCOL	1
HYDROCHLORIC ACID, 10%	2
HYDROCHLORIC ACID, 20%	2
HYDROCHLORIC ACID, 37%	NR
HYDROFLOURIC ACID, 10%	1
HYDROFLOURIC ACID, 20%	2
HYDROGEN PEROXIDE, 30%	2
ISOBUTYL ALCOHOL	1
ISOPROPYL ALCOHOL	1
JET FUELS	1
KEROSENE	1
LACQUER SOLVENTS	1
LACTIC ACID	3
LINSEED OIL	1
MAGNESIUM CHLORIDE	1
MAGNESIUM HYDROXIDE	1

CHEMICAL	RESISTANCE
NAPHTHALENE	3
NAPHTHALENE OIL	1
NITRIC ACID, 10%	NR
NITRIC ACID, 20%	NR
NITRIC ACID, 30%	NR
NITRIC ACID, 60%	NR
OLEIC ACID	1
OXALIC ACID	1
PERCHLORIC ACID, 10%	3
PERCHLOROETHYLENE	3
PHENOL, 5%	NR
PHENOL, 85%	NR
PHENOLIC RESINS	1
PHOSPHORIC ACID, 50%	1S
PHOSPHORIC ACID, 60%	2S
PHOSPHORIC ACID, 70%	3S
PHOSPHORIC ACID, 85%	NR
PHOSPHORIC ACID, 100%	NR
PHTHALIC ACID	1
PICKLING (20% NITRIC ACID, 4% HF)	2
POTASSIUM CARBONATE, 1%	1
POTASSIUM CARBONATE, 25%	3
POTASSIUM HYDROXIDE, 10%	1
POTASSIUM HYDROXIDE, 45%	1
POTASSIUM PERMANGANATE	NR
PROPYLENE GLYCOL	1
SKYDROL 500B	2
SOAP SOLUTIONS	3
SODIUM BICARBONATE	1
SODIUM CHLORIDE	1
SODIUM CYANIDE	2
SODIUM HYDROXIDE, 10%	2
SODIUM HYDROXIDE, 25%	2
SODIUM HYDROXIDE, 50%	2
SODIUM HYPOCHLORITE, 5%	NR
SODIUM HYPOCHLORITE, 8%	NR
SODIUM SULFIDE	1
STEARIC ACID	1
STYRENE	NR
SULFURIC ACID, 20%	1
SULFURIC ACID, 25%	2
SULFURIC ACID, 50%	3
SULFURIC ACID, 66%	NR
SULFURIC ACID, 75%	NR

CHEMICAL	RESISTANCE	CHEMICAL	RESISTANCE
MALEIC ANHYDRIDE, 25% SLURRY	1	SULFURIC ACID, 98%	NR
METHANOL	1	TETRAHYDROFURAN	NR
METHYL ACRYLATE	3	TETRAHYDROFURAN ALCOHOL	NR
METHYL ETHYL KETONE (MEK)	3	TOLUENE	3
METHYL METHACRYLATE	3	1,1,1, TRICHLOROETHANE	3
METHYL TERT-BUTYL ETHER, 98%	1	TRICHLOROETHANE	NR
METHYLENE CHLORIDE	NR	TRITON X100	2
MINERAL SPIRITS	1	UREA, 10%	1
MONOCHLOROACETIC ACID	NR	UREA AMMONIUM NITRATE, 32%	1
MOTOR OIL 10W/40	1	VINYLIDENE CHLORIDE	3
MURIATIC ACID	NR	VINYL ACETATE	2
N-BUTYL ACRYLATE	3	WATER TAP	1
N-BUTYL ALCOHOL	1	XYLENE	3
NAPHTHA	1	ZINC CHLORIDE	1
NAPHTHA VM&P	1	ZINC NITRATE, 17%	1

3 LEGEND

1 Product is suitable for use in immersion and/or splash and spillage conditions

2 Product is suitable for occasional and intermittent contact for periods up to 72 hours in duration

3 Product is suitable for occasional and intermittent contact for short time periods with frequent washing

NR Not recommended for this application

4 LEGAL NOTE

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