

# CONDUIT JACKET CHEMICAL RESISTANCE

## Resistance Rating:

- 1 - Excellent (continuous service)
- 2 - Good (intermittent service)
- 3 - Fair (limited service life)
- 4 - Poor (do not use)

The chemicals listed have been tested with results shown below. Results may vary in operating conditions. Where possible, samples of conduit should be tested in the conditions of use.

CHEMICAL	PVC	SI	TPE	TPR	TPU	CHEMICAL	PVC	SI	TPE	TPR	TPU
ACETATE SOLVENTS	4	3				CARBON DISULFIDE	4			4	
ACETIC ACID (10%)	2	2			2	CARBON TETRACHLORIDE	4	4			4
ACETIC ACID (GLACIAL)	3	2		4		CARBONIC ACID	1	1			
ACETONE	4	4		2	4	CASEIN	1				
ACRYLONITRILE	1	4				CAUSTIC SODA (10%)	1			2	1
ALCOHOLS (ALIPHATIC)	3	2				CHLORINE GAS (WET)	4	4		2	
ALUMINUM CHLORIDE	1	2		2	2	CHLORINE GAS (DRY)	4	4		2	
ALUMINUM SULFATE (ALUMS)	1	1		2		CHLORINE (WATER SOLUTION)	3	4			
AMMONIA (ANHYDROUS LIQUIDS)	4	3				CHLOROBENZENE	4	4		4	4
AMMONIA (AQUEOUS)	1	2				CHLORINATED HYDROCARBONS	4				
AMMONIATED LATEX	1					CHROMIC ACID (10%)	2	3		2	4
AMMONIUM CHLORIDE	1	3		2	2	CITRIC ACID	1	1			2
AMMONIUM HYDROXIDE	1	1		2		COAL TAR	4				
AMYL ACETATE	4	4		4		COCONUT OIL	3	1			
ANILINE OILS	4	4			4	CORN OIL	1	1			
AROMATIC HYDROCARBONS	4	4				COTTONSEED OIL	3	1			
ASPHALT	4	4		4		CREOSOTE	4	4		4	
ASTM FUEL A	3				2	CRESOL	3	4			
ASTM FUEL B	4			4	2	CRESYLIC ACID	4	4			
ASTM #1 OIL	2			4	2	CYCLOHEXANE	2	4			4
ASTM #3 OIL	3			4	2	DDT WEED KILLER	1			4	
BARIUM CHLORIDE	1	1				DIBUTYL PHTHALATE	4			4	
BARIUM SULPHIDE	1	1				DIESEL OILS	3	4		4	
BARIUM HYDROXIDE	1	1				DIETHYLENE GLYCOL	2	2			2
BENZENE (BENZOL)	4	4		4	4	DIETHYL ETHER	1	4			
BENZINE (PETROLEUM ETHER)	3				4	DI-ISODECYL PHTHALATE	4				
BLACK LIQUOR	1					DIOCTYL PHTHALATE	4				1
BORDEAUX MIXTURE	1					DOW GENERAL WEED KILLER (PHENOL)	4				
BORIC ACID	1	1			2	DOW GENERAL WEED KILLER (H2O)	2				
BUTYL ACETATE	4	4		4	4	ETHYL ALCOHOL	3	2		1	4
BUTYL ALCOHOL	2			2	4	ETHYLENE DICHLORIDE	4	4		4	
CALCIUM HYDROXIDE	1	1				ETHYLENE GLYCOL (50%)	2	1	1		2
CALCIUM HYPOCHLORITE	1	2				FERRIC CHLORIDE (10%)	1	2		1	2
CARBOLIC ACID (PHENOL)	2	4		4		FERRIC SULPHATE	1	2		1	
CARBON DIOXIDE	1	2		2		FERROUS CHLORIDE	1	3		2	
						FERROUS SULPHATE	1			1	

CHEMICAL	PVC	SI	TPE	TPR	TPU	CHEMICAL	PVC	SI	TPE	TPR	TPU
FORMALDEHYDE	4	2		1		NITRIC ACID (10%)	1	3		2	4
FUEL OIL	2	4		4		NITRIC ACID (35%)	1	4		2	
FURFURAL	3	4		4		NITRIC ACID (70%)	4	4		4	
GALLIC ACID	1	4				OLEIC ACID	1	4			
GASOLINE (HIGH TEST)	3	4		4	4	OLEUM	4	4			
GLYCERINE	1	1		2	1	OXALIC ACID	1	2		1	
GREASE	1	4			1	PENTACHLOROPHENAL IN OIL	2				
GREEN SULPHATE LIQUOR	1					PENTANE	3	4		4	
HEPTACHLOR IN PETROLEUM SOLVENTS	1					PERCHLOROETHYLENE	4	4		4	4
HEPTANE	3	4		4	2	PETROLEUM ETHER	3			4	
HEXANE	3	4	4	4	2	PHENOL	2	4		4	
HYDROBROMIC ACID	1	4		2	1	PHOSPHORIC ACID (85%)	1	4		2	4
HYDROCHLORIC ACID (10%)	1		1	2		PITCH	2				
HYDROCHLORIC ACID (40%)	3	2				POTASSIUM HYDROXIDE	1	3		2	
HYDROCHLORIC ACID (70%)	4	4				PROPYL ALCOHOL	2		4	2	
HYDROFLUOROBONIC ACID	1					RITCHFIELD "A" WEED KILLER	3				
HYDROFLUOROSILICIC ACID	1	4		4		SEA WATER	1	1	1	1	1
HYDROGEN PEROXIDE (10%)	1	1		2	1	SODIUM HYDROXIDE (10%)	1	1		1	2
ISO-OCTANE	3	4		4		SODIUM HYDROXIDE (50%)	1	1			4
ISOPROPYL ACETATE	4	4				SOYBEAN OIL	3	1			
ISOPROPYL ALCOHOL	2	1		4	1	SODIUM CYANIDE	1	1			
JET FUELS (JP-3, 4 AND 5)	3	4				STODDARD SOLVENT	4	4			
KEROSENE	3	4		4	2	STYRENE	4	4			
KETONES	4			4		SULFUR DIOXIDE (LIQUID)	4	2		4	
LINSEED OIL	1	1		4		SULFURIC ACID (50%)	1	4		1	2
LUBRICATING OILS	1	4	4			SULFURIC ACID (98%)	4	4		2	
MAGNESIUM CHLORIDE (30%)	1	1		1	2	SULFUROUS ACID	2	3		1	
MAGNESIUM HYDROXIDE	1	1		1		TALL OIL	4				
MAGNESIUM SULFATE	1	1				TANNIC ACID	1	2		4	
MALATHION 50 IN AROMATICS	4					TOLUENE	4	4	4	4	4
MALIC ACID	1	2				TRICHLOROETHYLENE	4	4			4
METHYL ACETATE	4	4		4	4	TRIETHANOL AMINE	3				
METHYL ALCOHOL	3	1			4	TRICRESYL PHOSPHATE (SKYDROL)	4	3			4
METHYL BROMIDE	4					TURPENTINE	3	4		4	2
METHYL ETHYL KETONE	4	4			4	VINEGAR	1	1			
METHYLENE CHLORIDE	4	4		4	4	VINYL CHLORIDE	4				
MINERAL OIL	1	3			2	WATER	1	1	1	1	1
MONOCHLOROBENZENE	4			4		WHITE LIQUOR	1	1			
MURIATIC ACID (SEE HYDROCHLORIC ACID)				2		XYLENE	4	4		4	
NAPHTHA	3	4		4	1	ZINC CHLORIDE	1	2		2	
NAPHTHALENE	4	4		4		ZINC SULPHATE	1	1		2	