



AN ERGONARMOR COMPANY

TECHNICAL INFORMATION

CHEMICAL RESISTANCE OF CORROSION ENGINEERING CONCRETES

CER-353 3/99 SUPERSEDES 2/99

CHEMICAL	TUFCEM® SILICATE CONCRETE		TUFCEM®	PENNCHEM®	ACROCAST®	FURALAC®
	F O U N D A T I O N G R A D E	T R O W E L L G R A D E	E P O X Y G R O U T	N O V O L A C G R O U T / C O N C R E T E	V I N Y L E S T E R C O N C R E T E	C O N C R E T E
R = RESISTANT C = CONDITIONAL* N = NOT RESISTANT - = NOT TESTED * Contact Corrosion Engineering for specific recommendations						
ACETIC ACID, 10%	R	R	C	C	R	R
ACETIC ACID, GLACIAL	R	R	N	N	N	R
ALCOHOL, BUTYL	R	R	R	R	R	R
ALCOHOL, ETHYL	R	R	R	R	N	R
ALCOHOL, ISOPROPYL	R	R	R	R	R	R
ALCOHOL, METHYL	R	R	C	R	N	R
ALUM	R	R	R	R	R	R
ALUMINUM BROMIDE	R	R	R	R	R	R
ALUMINUM NITRATE	R	R	R	R	R	R
AMMONIA, WET, 10% SOLUTION	N	N	C	C	R	R
AMMONIUM CARBONATE	N	N	R	R	R	R
AMMONIUM HYDROXIDE, 20%	N	N	R	R	R	R
AMMONIUM HYDROXIDE, 30%	N	N	R	R	R	R
AMMONIUM IODIDE	R	R	R	R	R	R
AMMONIUM SULFATE	R	R	R	R	R	R
BARIUM SULFATE	R	R	R	R	R	R
BARIUM SULFIDE	-	-	R	R	R	R
CALCIUM CHLORIDE	R	R	R	R	R	R
CALCIUM HYPOCHLORITE	R	R	C	R	R	N
CALCIUM SULFATE	R	R	R	R	R	R
CHLORINE DIOXIDE	R	R	N	N	R	N
CHLORINE GAS, DRY	R	R	C	C	R	R
CHLORINE GAS, WET	R	R	C	C	R	R
CHLORINE, WATER	R	R	C	C	R	R
CHLOROBENZENE	R	R	C	C	N	R
CHROMIC ACID, to 05%	R	R	C	C	R	N
CHROMIC ACID, to 10%	R	R	C	C	R	N
CHROMIC ACID, to 20%	R	R	N	N	N	N
CHROMIC ACID, to 50%	R	R	N	N	N	N
COPPER CHLORIDE	R	R	R	R	R	R
COPPER FLOROBORATE	-	-	C	-	-	-
CRUDE OIL, SOUR	R	R	R	R	R	R
CRUDE OIL, SWEET	R	R	R	R	R	R
CYCLOHEXANE	R	R	C	C	R	R
DIESEL FUEL	R	R	R	R	R	R
ETHYL ACETATE	R	R	C	R	N	R

CHEMICAL	TSC Foundation Grade	TSC Trowel Grade	TC Epoxy Grout	PCM Novalac Grout Concrete	Acrocast VE Concrete	Furalac Concrete
ETHYLENE GLYCOL	R	R	R	R	R	R
FERRIC CHLORIDE	R	R	R	R	R	R
FORMALDEHYDE, to 37%	R	R	C	R	R	R
GASOLINE, REFINED (ALL)	R	R	C	R	R	R
HYDRAULIC FLUID	R	R	C	R	R	R
HYDROCHLORIC ACID, to 05%	R	R	R	R	R	R
HYDROCHLORIC ACID, to 10%	R	R	R	R	R	R
HYDROCHLORIC ACID, to 15%	R	R	C	R	R	R
HYDROCHLORIC ACID, to 32%	R	R	C	R	R	R
HYDROCHLORIC ACID, to 37%	R	R	C	R	R	N
HYDROFLUORIC ACID, to 20%	N	N	N	N	N	R
HYDROFLUORIC ACID, to 50%	N	N	N	N	N	R
HYDROFLUORIC ACID, to 70%	N	N	N	N	N	N
HYDROGEN PEROXIDE, to 05%	R	R	R	R	R	N
HYDROGEN PEROXIDE, to 25%	R	R	C	C	R	N
JET FUEL	R	R	R	R	R	R
KEROSENE	R	R	R	R	R	R
LACTIC ACID	R	R	R	C	R	R
LITHIUM ACETATE	R	R	R	R	R	R
MAGNESIUM ACETATE	R	R	R	C	R	R
NITRIC ACID, to 5%	R	R	C	R	R	R
NITRIC ACID, to 10%	R	R	C	R	R	R
NITRIC ACID, to 20%	R	R	C	R	R	N
NITRIC ACID, to 50%	R	R	N	N	N	N
OLEUM (FUMING SULFURIC ACID)	R	R	N	N	N	N
PHOSPHORIC ACID, to 85%	R	R	C	R	R	R
POTASSIUM CARBONATE, to 25%	N	N	R	R	R	R
POTASSIUM HYDROXIDE, SAT.	N	N	R	R	R	R
POTASSIUM HYDROXIDE, to 25%	N	N	R	R	R	R
POTASSIUM HYDROXIDE, to 50%	N	N	R	R	R	R
POTASSIUM SULFATE	R	R	R	R	R	R
PROPYLENE GLYCOL	R	R	R	R	R	R
SILVER NITRATE	R	R	R	C	R	R
SODIUM CARBONATE	N	N	R	R	R	R
SODIUM CHLORIDE	R	R	R	R	R	R
SODIUM HYDROXIDE, to 05%	N	N	R	R	R	R
SODIUM HYDROXIDE, to 10%	N	N	R	R	R	R
SODIUM HYDROXIDE, to 15%	N	N	R	R	R	R
SODIUM HYDROXIDE, to 25%	N	N	R	R	R	R
SODIUM HYDROXIDE, to 50%	N	N	R	R	R	R
SODIUM HYPOCHLORITE, to 5 1/4%	N	N	C	R	R	N
SODIUM HYPOCHLORITE, to 10%	N	N	C	C	R	N
SODIUM HYPOCHLORITE, to 15%	N	N	C	C	R	N
SULFUR DIOXIDE GAS, DRY	R	R	C	R	R	R
SULFUR DIOXIDE GAS, WET	R	R	C	R	R	R
SULFURIC ACID, to 25%	R	R	R	R	R	R
SULFURIC ACID, to 50%	R	R	C	R	R	R
SULFURIC ACID, to 70%	R	R	C	R	R	R
SULFURIC ACID, to 98%	R	R	N	R	N	N
TOLUENE	R	R	C	R	C	R
TRICHLOROETHYLENE	R	R	C	R	N	R
WATER, DEIONIZED	C	C	R	R	R	R
WATER, DISTILLED	C	C	R	R	R	R
WATER, SALT	C	C	R	R	R	R
XYLENE	R	R	C	R	N	R
ZINC SULFATE	R	R	R	R	R	R

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