



The Chemical Company

Chemical Resistance of SRS Degadur®

Chemical Resistance Guide For Degaclad Flooring Systems

Laboratory tests have been carried out using SRS Degadur® resins with specific chemical examples for each generic family group to establish resistance within their group. These tests have been tested to a minimum seven-day exposure per ASTM D-1308.

The classification RESISTANT (R) that has been given were samples that did not have an objectionable alteration occur on the surface, such as discoloration, change in gloss, blistering, softening or swelling. While not every one of these chemicals has been individually tested, experience has shown that testing within a generic group will accurately predict "performance" for the other chemicals that have not been tested in that group.

The classification CONDITIONAL (C) has been defined to enable customers with very difficult environmental conditions, but also who, have well controlled standards of housekeeping to take advantage of the cost savings offered by SRS Degadur® in the confidence that it can still give them a useful life. Generally speaking, if normal SAFETY REGULATIONS for handling strong inorganic acids are observed and a washdown is completed within one hour of spillage, SRS Degadur® will provide an excellent compromise between cost and performance. Please contact BASF Building Systems Technical Support at 800/243-6739 for specific information relative to your application.

On this basis, the following table has been compiled as a guide to the suitability of SRS Degadur® always provided, it is correctly applied, and properly maintained during service. End Users should, nevertheless, satisfy themselves that SRS Degadur is suitable for their particular environmental conditions, and take into account both the mechanical duty and any elevated temperature, which may accompany spillage. We would advise that these influencing factors should be discussed with your BASF Performance Flooring sales representative before finalizing a specification. It should be noted that some environments (especially aggressive oxidizing chemicals) may affect the color of the material on the surface. BASF Performance Flooring always recommends a test sample of the selected product under actual job conditions to insure proper performance.

TESTS CARRIED OUT AT AMBIENT TEMPERATURE

	CONC %	Degaclad CF	Degaclad CQ	Degaclad CP		CONC %	Degaclad CF	Degaclad CQ	Degaclad CP
ACIDS - INORGANIC					SOLVENTS (continued)				
Boric	3%	R	R	R	Ethylene Perchlorate	100%	C	C	C
Chlorine Water	SAT'D	R	R	R	Glycol	100%	C	C	C
Chromic	20%	R	R	R	Heptane	100%	R	R	R
Chromic	20%	R	R	R	Hexane	100%	R	R	R
Hydrochloric	32%	R	R	R	Isopropyl Alcohol	100%	C	C	C
Muriatic	35%	C	C	C	Methyl Ethyl Ketone	100%	NR	NR	NR
Nitric	10%	R	R	R	Methylene Chloride	100%	NR	NR	NR
Nitric	40%	C	C	C	Mineral Spirits	100%	C	C	C
Phosphoric	50%	C	C	C	Mono Chlorobenzene	100%	C	C	C
Phosphoric	85%	NR	NR	NR	Nonylphenoxy Polyethoxy Glycol	100%	R	R	R
Sulfamic		C	C	C	Perchloroethylene	100%	C	C	C
Sulfuric	30%	R	R	R	Phenol	5%	C	C	C
Sulfuric	45%	C	C	C	Toluene	100%	NR	NR	NR
Sulfuric	70%	NR	NR	NR	Trichloroethylene	100%	NR	NR	NR
					Xylene	100%	NR	NR	NR
ACIDS - ORGANIC					MISCELLANEOUS				
Acetic	> 20%	R	R	R	Antifreeze (Glycol)	100%	R	R	R
Acetic	< 10%	R	R	R	Beer	100%	R	R	R
Acetic	60%	NR	NR	NR	Brake Fluid	3%	R	R	R
Benzenesulfonic		R	R	R	Caprolactam	20%	R	R	R
Benzosulfonic		R	R	R	Castor Oil	100%	R	R	R
Fatty Acids	100%	C	C	C	Clidox Acid		R	R	R
Formic	10%	C	C	C	Clidox Base		R	R	R
Lactic Acid	10%	R	R	R	Clidox Mixed		R	R	R
Methane Sulfanic		C	C	C	Diesel Fuel		R	R	R
					Diethylphthalate		C	C	C
ALKALIS					Formaldehyde (Formalin)				
Household Ammonia	5%	R	R	R		37%	R	R	R
					Fuel Oil	100%	R	R	R
SALTS					Gasoline				
Aluminum Chloride	Below 10%	R	R	R		100%	R	R	R
Aluminum Hydroxychloride	40%	C	C	C	Glutaraldehyde	100%	R	R	R
Ammonium Sulfate		R	R	R	Glycerine	100%	R	R	R
Ammonium Sulfide		R	R	R	Glycerol	100%	C	C	C
Calcium Chloride	SAT'D	R	R	R	Grape Juice	100%	R	R	R
Calcium Hydroxide	SAT'D	R	R	R	Halothane	100%	C	C	C
Carboxymethyl		R	R	R	Honey	100%	R	R	R
Dimethyl Ammonium	SAT'D	R	R	R	Hydroxide	100%	R	R	R
Ferric Sulfate	12%	C	C	C	Iodine	100%	C	C	C
Hydrogen Peroxide	50%	R	R	R	Jet Fuel	100%	R	R	R
Hydrogen Peroxide	80%	C	C	C	Kerosene	100%	R	R	R
Magnesium Hydroxide	SAT'D	R	R	R	Lard	100%	R	R	R
Potassium Hydroxide	SAT'D	R	R	R	Linseed Oil	100%	R	R	R
Potassium Tiosulfate	SAT'D	R	R	R	Lysol	100%	R	R	R
Salt - saturated solution	SAT'D	R	R	R	Mercurochrome	100%	R	R	R
Sodium Bisulfate	SAT'D	R	R	R	Methylene Blue	100%	R	R	R
Sodium Carbonate	SAT'D	R	R	R	Milk	100%	R	R	R
Sodium Chloride	SAT'D	R	R	R	Mineral Oil	100%	R	R	R
Sodium Hydrogen Phosphate	SAT'D	R	R	R	Motor Oil	100%	R	R	R
Sodium Hydroxide	SAT'D	R	R	R	Oils (Saponifiable)	100%	R	R	R
Sodium Hypochlorite	Below 6% Cl2	R	R	R	Petroleum	100%	R	R	R
Sodium Hypochlorite	>16%	C	C	C	Polysulfide	100%	R	R	R
Tetrasodium Salt	SAT'D	R	R	R	Quatricide	100%	R	R	R
Trisodium Phosphate		R	R	R	Safranine Red	25%	R	R	R
					Sea Water	100%	R	R	R
SOLVENTS					Skydrol 500B				
Acetone	100%	NR	NR	NR		100%	R	R	R
Benzene	100%	NR	NR	NR	Slaked Lime (see Calcium Hydroxide)	100%			
Butyl Acetate	100%	NR	NR	NR	Soaps	100%	R	R	R
Butyl Alcohol	100%	NR	NR	NR	Styrene	100%	C	C	C
Carbon Tetrachloride	100%	NR	NR	NR	Turpentine	100%	R	R	R
Chloroform	100%	NR	NR	NR	Urine	100%	R	R	R
Cyclohexane	100%	R	R	R	Vegetable Juice	100%	R	R	R
Cyclohexanone	100%	NR	NR	NR	Vegetable Oil	100%	R	R	R
Dimethyl Formamide	100%	NR	NR	NR	Water	100%	R	R	R
Ethyl Acetate	100%	NR	NR	NR	Whiskey	100%	C	C	C
Ethyl Alcohol	10%	C	C	C	White Spirit	100%	R	R	R
					Wine	100%	R	R	R

BASF Building Systems

889 Valley Park Drive
Shakopee, MN, 55379

www.BASFBuildingSystems.com

Customer Service 800-433-9517
Technical Service 800-243-6739

*R - Resistant *C - Conditional *NR - Not Recommended



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