

Technical Data Sheet

Chemical Resistance Guide

Information for chemically densified concrete floors

O = No Effect
M = Moderate Effect

ALCOHOLS

Benzyl Alcohol	O
Ethyl Alcohol	O
Isopropyl Alcohol	O
Methyl Alcohol	O
Ethylene Glycol	O
Glycerol	O
I-Hexanol	O
Resorcinol	O

ALDEHYDES

Benzaldehyde	O
Butyraldehyde	O
Furfural	O

AMINES

Aniline	O
Triethanolamine	O

DETERGENTS AND OTHER CLEANING PRODUCTS

Calgonite (1%)	O
Clorox (1%)	O
Clorox (Concentrate)	O

ESTERS

Amyl Acetate	O
Dibutyl Sebacate	O
Diethyl Phthalate	O
Ethyl Acetate	O
Tricresyl Phosphate	O

ETHERS

Dibenzyl Ether	O
Diethylene Glykol Monobutyl Ether	O
Diethyl Ether	O
Ethylene Glycol Monoethyl Ether	O

HALOGENATED HYDROCARBONS

Benzyl Chloride	O
Brombenzen	O
Carbon Tetrachloride	O
Chloroform	O
Ethylene Dichloride	O
Perchlorethylene	O

Hydrocarbons

Benzene	O
Cyclohexan	O
Ethylbenzene	O
Heptane	O
Hexane	O
Naphtalene	O
Toluene	O
Xylene	O

OTHER SUBSTITUTED

HYDROCARBONS	
Carbon Disulphide	O
Nitrobenzene	O

HYDRAULIC FLUIDS

Oronite 8200	O
Pydraul F9	O
Pydraul 60	O
Skydrol	O
Skydrol 500	O

INORGANIC ACIDS

Chromic Acid (10%)	M
Chromic Acid (Concentrate)	M
Hydrofluoric Acid (Concentrate)	M
Phosphoric Acid (Concentrate)	M
Sulphuric Acid (10%)	M

INORGANIC BASES

Barium Hydroxide (Concentrate)	O
Calcium Hydroxide (Concentrate)	O
Potassium Hydroxide (10%)	M
Sodium Hydroxide (10%)	M
Sodium Hydroxide (Concentrate)	M

INORGANIC SALTS (25% Solution)

Ammonium Chloride	M
Ammonium Nitrate	M
Barium Chloride	M
Calcium Chloride	M
Calcium Hypochlorite	M
Cupric Chloride	M
Cupric Sulphate	O
Ferric Chloride	M
Ferric Nitrate	O
Ferrous Nitrate	O
Ferrous Sulphate	O
Magnesium Chloride	O
Magnesium Sulphate	O
Nickel Sulphate	O
Potassium Chloride	M
Potassium Permanganate	O
Potassium Bisulphate	O
Potassium Dichromate	M
Sodium Borate (Borax)	O
Sodium Bicarbonate	O
Sodium Chloride	M
Zinc Nitrate	O
Sodium Chloride - Saturated	M

KETONES

Acetone	O
Butanon (MEK)	O
Methyl Isobutyl Ketone (MIBK)	O

MISCELLANEOUS

Gelantine (sat. sol'n)	O
Antifreeze	O
Brake Fluid	O
Transmission Fluid	O
Distilled Water	O
Seawater	M

NATURAL FATS AND OILS

Butter	O
Castor Oil	O
Cottonseed Oil	O
Lard	O
Oleomargarine	O
Olive Oil	O
White Mineral Oil	O

OILS AND FUELS

Oil	O
Heating Fuel Oil	O
Jet Aircraft Engine Oil	O

ORGANIC ACIDS

Acetic Acid (10%)	M
Acetic Acid (Glacial)	M
Citric Acid (10%)	M
Formic Acid (10%)	M
Lactic Acid (10%)	M
Oleic Acid (100%)	O
Oxalic Acid (10%)	M
Phenol (10%)	O
Phenol (100%)	M
Picric Acid (10%)	M
Stearic Acid (100%)	O
Tannic Acid (10%)	O
Tartaric Acid (10%)	M

Note:

The floors treated with the NORTEC® system are capillary tight and thus prevent as much as possible the contamination of the slab in case of persistent chemical attack. Surface discoloration cannot be ruled out.

The chemical attack or the influence on the durability and resistance of the surface is determined by temperature, contact time, concentration and the mixture composition of the chemicals and can vary depending on the concrete mix.

The information in this leaflet is based on data that we believe is reliable.

However, all such information and recommendations are specified without guarantee or warranty. Test areas are highly recommended.

