



Product Data Sheet

SealSource International:
Nano Lithium Concrete Hardener/Sealer
EQ Credit 4: Low – emitting VOC Compliant Materials

SS DuraGuard FST

Product Description-

SealSource International's SS DuraGuard FST is a unique penetrating material that after burnishing provides all the benefits of a densifier/hardener, as well as, providing superior stain resistance. SS DuraGuard FST increases abrasion resistance, seals and dustproofs the surface. It provides a deep, rich sheen that enhances the natural look of the concrete and intensifies the color of an acid stained or integrally pigmented floor. This revolutionary protection and durability is unmatched in the industry. SS DuraGuard FST replaces the need to wax or apply an acrylic sealer to achieve a gloss and stain resistance. SS DuraGuard FST's innovative technology will reduce maintenance costs and downtime associated with maintenance because of its durability and increased cure time.

Uses-

SS DuraGuard FST's combination of industrial durability and aesthetic value allows it to be an excellent application for industrial uses, as well as, retail, manufacturing, etc.. In addition, the superiority of the stain protection allows restaurants, grocery stores, retail stores, warehouses, etc. to maintain a clean and stain free environment.

Advantages-

- Water/Oil Repellent
- Increased Light Reflective
- Penetrating
- High Sheen
- Stain Resistance
- Meets and Exceeds OSHA and ADA coefficient of friction
- Reduced Maintenance Costs
- Fast Cure Times
- No Odors
- Increased Abrasion Resistance

Physical Properties-

Form Milky white, aqueous solution
Total Solids 23%
Active Ingredients 100% of total solids
Specific Gravity 1.09
pH 11.5
Flash Point N/A
VOC Content 50<gms/L Less than 50 gms/L
Freeze Point 32° F (0°)
Abrasion Resistance excellent
Depth of Surface Penetration 2-8 mm
Shelf Life 6 months in factory sealed container

Packaging-

- 55 Gallon Drums-Drum containers filled by weight, volume is closely approximate.
- 5 Gallon Pails

Mixing-

SS DuraGuard FST is a single component product. Prior to use shake container or stir for one to two minutes.

Safety-

- Read Material Safety Data Sheet before using
- Keep out of reach of children
- Protect from freezing
- Wear safety glasses and rubber gloves
- Do not apply to soft metals
- Do not apply to glass

Application Recommendations-

SS DuraGuard FST should be applied by a low pressure sprayer or airless sprayer and must be pulled out using a polyester micro-fiber applicator. Product needs to be burnished (min. of 1500 rpm machine) after each coat. Apply at 2,000 s.f. per gallon. Minimum 2 applications. Allow material to dry for 1 hour in between applications.

Shelf Life-

Six Months, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

Warranty-

SealSource International LLC, will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

Technical Services, Sales and Customer Support (800) 305-9144

Chemical Resistance Chart

SS DuraGuard™ FST

{ NO EFFECT = NE MODERATE EFFECT = M SEVERE EFFECT = S }

ALCOHOLS & SOLVENTS

Benzyl Alcohol	NE
Carbon Tetrachloride	NE
Ethyl Alcohol	NE
Isopropyl Alcohol	NE
Glycerol	NE
Methyl Alcohol	NE
Ethylene Glycol	NE
Glycerol I-Hexanol	NE
Resorcinol	NE
T-Butyl Alcohol	NE
Trichloroethylene	NE

ALDEHYDES

Benzaldehyde	NE
Butraldehyde	NE
Furfural	NE

AMINES

Aniline	NE
Triethanolamine	NE

CLEANING SOLUTIONS

Calgonite	NE
Chlorox	NE
Chlorox Concentrate	NE
Joy	NE
Joy Concentrate	NE
Lestoil	NE
Lux Flakes	NE
Rinse Dry	NE
Rinse Dry Concentrate	NE
Tide Concentrate	NE

ESTERS

Amyl Acetate	NE
Dibutyl Sebacate	NE
Diocetyl Phthalate	NE
Ethyl Acetate	NE
Tricresyl Phosphate	NE

ETHERS

Dibenzyl Ether	NE
Diethylene Glycol Monobutyl Ether	NE
Ethyl Ether	NE

FATS AND OILS

Butter	NE
Castor Oil	NE
Cottonseed Oil	NE
Lard	NE
Light oil above 35 Baume	NE
Oleomargarine	NE
Olive Oil	NE
White Mineral Oil	NE

HALOGENATED HYDROCARBONS

Benzyl Chloride	NE
Bromobenzene	NE
Carbon Tetrachloride	NE
Chloroform	NE
Ethylene Dichloride	NE
Ethylene Glycol Monoethyl Ether	NE
Perchloroethylene	NE

HYDROCARBONS

Benzene	NE
Carbon Disulphide	NE
Cyclohexane	NE
Ethylbenzene	NE
Heptane	NE
Hexane	NE
Naphthalene	NE
Nitrobenzene	NE
Toluene	NE
Xylene	NE

HYDRAULIC FLUIDS

Brake Fluid	NE
Oronite 8200	NE
Pydraul F9	NE
Pydraul 60	NE
Skydrol	M
Skydrol 500	M
Transmission Fluid	NE

INORGANIC ACIDS

Chlorosulphonic Acid	S
Chromic Acid	M
Chromic Acid	M
Hydrochloric Acid	M
Hydrochloric Acid Concentrate	M
Hydrofluoric Acid	S
Hydrofluoric Acid Concentrate	S
Nitric Acid	S
Phosphoric Acid Concentrate	M
Sulphuric Acid	M

INORGANIC BASES

Barium Hydroxide Concentrate	NE
Calcium Hydroxide Concentrate	NE
Potassium Hydroxide	M
Sodium Hydroxide	M

KETONES

Acetone	NE
Methyl Ethyl Ketone	NE
Methyl Isobutyl Ketone	NE

MISCELLANEOUS

Antifreeze	NE
Cold Ashes	NE
Buttermilk	NE
Chlorine Gas	NE
Gelatin	NE
Glucose	NE
Molasses	NE
Nickel Plating Solutions	S
Ores	NE
Cider	NE
Coal	NE
Corn Syrup	NE
Fermenting Fruits or Vegetables	NE
Formaldehyde	NE
Hydrogen Sulfide	NE
Manure	NE
Sauerkraut	NE
Sugar	NE
Sulfite Liquor	NE
Sulfur Dioxide	NE
Tanning Bark	M
Tanning Liquor	M

OILS AND FUELS

A.S.T.M. No. 1 Oil	NE
A.S.T.M. No. 2 Oil	NE
A.S.T.M. No. 3 Oil	NE
A.S.T.M. Fuel A	NE
A.S.T.M. Fuel B	NE
A.S.T.M. Fuel C	NE
Heating Fuel Oil	NE
Jet Aircraft Engine Oil	NE
Lignite Oils	NE

ORGANIC ACIDS

Acetic Acid	M
Acetic Acid – Glacial	M
Acid Waters pH/6.5 Boric Acid	NE
Carbolic Acid Carbonic Acid	NE
Chromic Acid	NE
Citric Acid Formic Acid	M
Humic Acid	M
Hydrochloric Acid	M
Lactic Acid	M
Oleic Acid	NE
Oxalic Acid	M
Phenol Acid	M
Phosphoric 10%	NE
Phosphoric 85%	M
Wine	NE

SALTS

Ammonium Chloride	NE
Ammonium Nitrate	NE
Barium Chloride	NE
Calcium Chloride	NE
Calcium Hypochlorite	NE
Cupric Chloride	NE
Cupric Sulphate	NE
Ferric Chloride	NE
Ferric Nitrate	NE
Ferrous Sulphate	NE
Iodine	NE
Magnesium Chloride	NE
Magnesium Sulphate	NE
Nickel Sulphate	NE
Potassium Chloride	NE
Potassium Permanganate	NE
Potassium Dichromate	NE
Sodium Borax	NE
Sodium Bicarbonate	NE
Sodium Chloride	NE
Zinc Nitrate	NE

WATER

Distilled Water	NE
Mine Water/Waste	NE
Sea Water	NE
Soft Water/75 ppm Carbonate	NE

The above mentioned chemicals were tested based on the following parameters: attack to the concrete by means of staining and/or erosion. Therefore, the measure of the overall effect determines the level of concern based on those indicators. However, the overall attack can be altered due to the various conditions, which are, but not limited to, design of the concrete, ambient temperature, including the humidity levels, contact time of the chemical itself as well as the concentration of such chemical. The information contained in this chemical resistance chart is based on reliable data, but all such recommendations are specified without guarantee or warranty. SealSource, L.C. strongly recommends discussing specific concerns with their technical department prior to application.