



CONCRETE & MASONRY  
SPECIALTY COATINGS

TM

*We Help You Seal Better®*

# Seal Pro Hardcoat Data Sheet

Heavy Duty Chemical Resistant Decorative Sealer  
Exterior / Interior

Seal Pro Hardcoat is a solvent based combination of specially modified thermoplastic resins. It is a readymade product which may be used on a variety of substrates.

Seal Pro Hardcoat is formulated specifically for the decorative concrete industry. Apply Hardcoat to acid stained or stamped concrete floors to get a beautiful hard glass like appearance.

Seal Pro Hardcoat exhibits excellent resistance to damage caused by ozone, water, salt spray, acids, chemicals and will not yellow. Seal Pro Hardcoat is used where a high degree of wear and mar resistance is required. When applied to either horizontal or vertical surfaces, Seal Pro Hardcoat provides surface protection against intrusion by foreign material. This can reduce leaching, mildew staining and freeze/thaw spalling.

**SURFACE PREPARATION:**  
The surface to be treated must be free of all oil, dust, dirt and other contaminants. Power washing and thorough rinsing is the preferred method of surface preparation.

Surface imperfections and cracks larger than 1/16" should be repaired with caulk or other filler material. All caulks and repair materials should be in place and cured prior to the application of Seal Pro Hardcoat.

**APPLICATION:**  
DO NOT APPLY IN THE HEAT OF THE DAY - DRY TIME IS FAST. Surface must be dry. Application may be accomplished by spraying or brushing. Do not use a roller on smooth surfaces. Two applications are required. The second application may require less product for surface coverage. Allow 12 hours before usage. Full cure time is 72 hours. Equipment may be cleaned with Xylene.

**COVERAGE RATE:**  
Weather conditions, porosity, texture of the surface and film build will determine the amount of product necessary for effective treatment. Total product required for two applications can range from 200-600 sqft per gallon.

**LIMITATIONS:**  
Seal Pro Hardcoat should not be used on vertical surfaces to control efflorescence or on surfaces where potential for damage caused by efflorescence.

**PRECAUTIONS:**  
Use with adequate ventilation and approved OSHA breathing apparatus. Contains solvents. Flammable. Do not spray near open flame. Do not store in direct sunlight. Avoid breathing spray mist and contact with skin. Read product label and MSDS.

**Seal Better!**  
**Products and Services to Solve Problems**

- Formulated for The Decorative Industry
- Acid / Dye Stained Floors
- Stamped Concrete
- Highly Chemical Resistant
- Excellent Wear and Mar Resistance
- Easy Application
- Highly Wear Resistant

Specifications:	
Form:	Clear Liquid
Solid Content:	23%
Specific Gravity:	0.91
Weight Per Gallon:	7.5 lbs
Flash Point (ASTM 3243):	39 °F
VOC Content (ASTM D 3960-87):	≤400 Gr/Ltr
Shelf Life:	Indefinite
Pencil Hardness (ASTMD 3363):	4H
Tukon Hardness (ASTMD 1474):	23
Adhesion (ASTM D 3359):	Excellent
Chemical Resistance (ASTM D 1308-87) 12 Chemicals:	No Effect
Skid Resistance (ASTM C 1028-84) Dry :	COF= .92
Gloss (Gardner 60 Meter):	90
Exterior Durability:	Excellent
Flexibility (ASTM D 1737 1/8 Mandrels):	3
Vehicle:	Solvent

Manufactured By:  
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MATERIAL SAFETY DATA SHEET		SEAL PRO HARDCOAT	
<b>SECTION ONE: PRODUCTION IDENTIFICATION</b>			
<b>TRADE NAME: SEAL PRO HARDCOAT</b> Date of preparation: Revised 02.20.2013 <b>Emergency phone: CHEMTREC 800.424.9300</b> HMIS Ratings: H-2 F-3 R-0 SEAL PRO USA 551 BUSINESS PARK DR. MEDFORD OR 97504 Phone: 888.773.1914			
<b>SECTION TWO: HAZARDOUS INGREDIENTS</b>			
Components	PEL ppm	TLV ppm	Percent (%)
Acetone*	100 ppm	100 ppm	-
Butanol*	100 ppm	100 ppm	-
Toluol*	100 ppm	100 ppm	-
Ethyl Acrylate*	5 ppm	5 ppm	-
Residual Monomers	NE*	NE*	.40 Max .30 Max
*Subject to the reporting requirements of section 313 of the Emergency Planning and Community and Right To Know Act of 1986 and 40 CFR 372.  <b>DOT SHIPPING INFORMATION</b> Proper shipping name: Resin Solution Hazard classification: 3 UN number: 1866 Packing group: II			
<b>SECTION THREE: PHYSICAL AND CHEMICAL CHARACTERISTICS</b>			
Boiling point: 231 - 248 F Vapor density Air = 1: >1 Solubility in water: Not soluble Appearance and odor: Clear liquid and solvent odor Melting point: NE* Specific gravity: .98 Vapor pressure: 22 Reactivity in water: Not reactive *NE: Not established			

#### SECTION FOUR: FIRE AND EXPLOSION DATA

Flash point: 80°F Method used: TCC  
Flammable limits in air % by volume LEL Lower: 1.0 UEL Upper: 11.2  
Auto ignition temperature: NE\*  
Extinguisher media: FOAM, CO2, DRY CHEMICAL, WATER SPRAY

Special Fire Fighting Procedures: Solid hoses streams tend to scatter liquid and spread fire. Water spray cools the burning surface and helps exclude air. Fire fighters should wear self-contained breathing apparatus operated in positive pressure mode.

Unusual fire and explosion hazards: Vapors are heavier than air and may travel along the ground to ignition sources (*heat, sparks, flame, etc.*) distant from the material handling point.  
Never use welding or cutting torch on or near container even empty, because product or residue may ignite explosively.

#### SECTION FIVE: PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable  
Incompatibility: Strong oxidizing agents  
Hazardous decomposition products: Carbon monoxide, carbon dioxide, various hydrocarbons  
Hazardous polymerization: Will not occur  
*Conditions to avoid:* Heat, sparks, open flame, static discharge

#### SECTION SIX: HEALTH HAZARDS

Acute: Severe eye irritation, headache, moderate skin irritation.

Chronic: Ethyl Acrylate is listed by the National Toxicology Program and the International agency for Cancer as a potential cancer causing agent. A study found Ethyl Acrylate to be an animal carcinogen in a forced ingestion study on mice and rats. In an Inhalation study, rodents exposed to ethyl Acrylate vapors at 25 and 75 ppm for 27 months showed nonmalignant changes in nasal passage membranes.

Signs and symptoms of exposure: Painful eye irritation, redness of eyes, headache, nausea, vomiting, and dizziness. Possible skin rash. Symptoms will vary depending on the individual.

Medical conditions generally aggravated by exposure: Asthma and other respiratory ailments.  
Any substance can be allergenic to an allergy pre-disposed individual.

Chemical listed as carcinogen or potential carcinogen:

NT: Yes  
IARC: Yes  
OSHA: Yes

Emergency and first aid procedures: Inhalation - remove to fresh air, call a physician.

Eyes - flush with copious amounts of water and seek medical attention. Skin - wash exposed area with soap and water. Ingestion - do not induce vomiting - aspiration of the material into lungs can cause chemical pneumonitis which can be fatal. Get immediate medical attention!

Routes of entry:

Inhalation - headache, nausea, vomiting, dizziness, fatigue, unconsciousness, asphyxiation.

Eyes - severe painful irritation, redness and blurred vision.

Skin - moderate irritation, defatting, dermatitis.

Ingestion - gastrointestinal irritation, nausea, vomiting, diarrhea. Choking may occur with vomit.

**SECTION SEVEN: SPILL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

Handling and storage precautions: Keep away from heat, sparks, and open flames. Use with adequate ventilation. Avoid contact with skin.

Containers may be hazardous when emptied. Since emptied containers retain residues (vapor, liquid, solid) all hazard precautions given in this MSDS must be observed.

If material is released or spilled: Small - absorb and transfer to appropriate waste container.  
Large - eliminate all ignition sources, exclude workers not wearing protective gear, dike area, pump to grounded salvage tank. Absorb remainder and shovel into an appropriate waste container.

Waste disposal methods: Consult federal, state, and local regulations. Incinerate in accordance with local, state, and federal regulations.

**SECTION EIGHT: SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES**

Respiratory protection: If TLV of product is exceeded, NIOSH / OSHA jointly approved air supplied respirator is advised. Normal conditions require the use of NIOSH / OSHA approved respirator fitted with solvent vapor approved cartridges.

Ventilation: Local exhaust, mechanical to maintain exposure below TLV.

Protective gloves: Solvent resistant gloves such as Buna-N.

Eye protection: Chemical splash goggles in compliance with OSHA.

Other protective clothing or equipment: Eye bath, safety shower, impervious clothing to prevent skin contact.

Work / Hygienic practices: Wash thoroughly after exposure, remove contaminated clothing and launder before reuse.

This data is offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.