



**CONCRETE & MASONRY
SPECIALTY COATINGS**

TM

We Help You Seal Better®

Seal Pro HD U100 Data Sheet

Clear Heavy Duty Chemseal
Exterior / Interior

Seal Pro HD U100 is a water based, highly modified cross linked thermoplastic urethane product.

HD U100 is designed to be used where solvent based sealers cannot. This sealer will produce a high gloss film and provide the "wet look" to exposed aggregate and improve the integrity of all concrete surfaces. Seal Pro HD U100 exhibits excellent resistance to the damage caused by ultraviolet radiation, ozone, salt spray, water and acid rain. When cured, the sealer remains water clear. Its long lasting hydrophobic properties reduces leaching, mildew staining, and freeze thaw spalling and crumbling. HD U100 will protect against stains caused by gas, oil, transmission fluid, and fertilizer.

HD U100 is a ready to use product formulated for concrete (poured, pre-cast, or block), brick, mortar, stucco, stone, plaster and other porous cementitious materials. The properties of HD U100 make it an excellent choice for extending the service life of cementitious materials.

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 HD U100.

APPLICATION:

Surface must be dry. Application may be accomplished by spraying or brushing. Do not use a roller. 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 water.

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.

Seal Better!

Products and Services to Solve Problems

- Excellent Humidity Resistance
- Excellent Blush Resistance
- Excellent UV Resistance
- Enhances Disease Control
- Excellent Hydrophobic Qualities
- Easy Application

PRECAUTIONS:

Use with adequate ventilation, or use approved OSHA breathing apparatus. Do not store in direct sunlight. Do not allow product to freeze. Avoid breathing spray mist and contact with skin. Read product label and MSDS.

Specifications:	
Form:	Clear Liquid
Solid Content:	30%
Specific Gravity:	1.06
Weight Per Gallon:	7 lbs
Flash Point (ASTM 3243):	N/A
VOC Content (ASTM D 3960-87):	≤50 Gr/Ltr
Shelf Life:	2 Years
Pencil Hardness (ASTMD 3363):	4H
Tukon Hardness (ASTMD 1474):	12
Adhesion (ASTM D 3359):	Excellent
Chemical Resistance (ASTM D 1308-87) 12 Chemicals:	Excellent
Skid Resistance (ASTM C 1028-84) Dry :	COF= .92
Gloss (Gardner 60 Meter):	80
Exterior Durability:	Excellent
Flexibility (ASTM D 1737 1/8 Mandrels):	3
Vehicle:	Water

Manufactured By:
Seal Pro USA
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Phone 541.773.1914

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Seal Pro USA makes no warranty or merchantability or fitness for any purpose and expressly disclaims liability for consequential or incidental damages, whether based on warranty or negligence. Buyer's sole remedy shall be product refund or replacement.

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MATERIAL SAFETY DATA SHEET

SEAL PRO HD U100

SECTION ONE: PRODUCTION IDENTIFICATION

TRADE NAME: SEAL PRO HD U100

Date of preparation: Revised 02.20.2013

Emergency phone: CHEMTREC 800.424.9300

HMIS Ratings: H-1 F-0 R-0

SEAL PRO USA 551 BUSINESS PARK DR. MEDFORD OR 97504

Phone 888.773.1914

SECTION TWO: HAZARDOUS INGREDIENTS

Components	CAS#	PEL ppm	TLV ppm	STEL	Approx. Weight (%)
Ammonia	7664-41-7	50 ppm	25 ppm	Unknown	~0.155%/WT.
Acrylic Esters	Mixtures	Unknown	10 ppm	Unknown	~0.25%/WT.

This MSDS complies with the OSHA hazard communication standard (29 CFR 1910.1200). Unlisted ingredients are not hazardous per this OSHA standard and are considered to be trade secrets of Seal Pro USA. Consult Section 12 for the nature of the hazard(s).

SECTION THREE: PRECAUTIONARY INFORMATION

Product not considered hazardous under normal conditions. Direct contact of product with eyes can cause irritation. Prolonged or repeated contact with skin may cause irritation.

SECTION FOUR: EMERGENCY AND FIRST AID PROCEDURES

Eye: Flush immediately with water for 15 minutes. Consult a physician if irritation persists.
 Skin: Wash affected area with soap and water. Wash contaminated clothing before reuse.
 Inhaled: Remove subject to fresh air.
 Fire: Product is non-flammable in the liquid state. Use water spray, foam, dry chemical or carbon dioxide on dried product.
 Spill: Collect and remove using inert absorbent. Contain spill to prevent entering sewers. Notify appropriate agencies.

SECTION FIVE: PERSONAL PROTECTION EQUIPMENT

Eye: Wear chemical safety goggles to reduce the potential for eye contact. Eye wash fountain should be available.
 Skin: Use impermeable chemical gloves and wear appropriate protective clothing. Launder contaminated clothing before reusing.
 Respiratory: Respiratory protection is not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.
 Ventilation: Standard industrial ventilation is recommended.

SECTION SIX: FIRE PROTECTION

Flash point: Non-flammable
 Extinguishing media: Non-flammable in liquid state; use water spray, foam, dry chemical. Use carbon dioxide on dried product.
 Unusual fire and explosion hazard: Personnel exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Containers exposed in a fire should be cooled with water to prevent vapor pressure buildup leading to a rupture.

SECTION SEVEN: REACTIVITY INFORMATION

Stability: Stable

Incompatibility: Not established

Hazardous decomposition: Combustion of the dried product can yield low molecular weight hydrocarbons such as carbon monoxide and carbon dioxide.

Hazardous polymerization: Will not occur.

SECTION EIGHT: EFFECTS OF OVEREXPOSURE

Eyes: Eye contact with liquid may cause irritation.

Skin: Repeated or prolonged skin contact with liquid may cause irritation.

Inhalation: No expected effects.

Chronic: No anticipated effects. This product does not contain regulated levels of NTP, IARC or OSHA listed carcinogens.

Existing health conditions affected by exposure: No known effects on other illnesses.

SECTION NINE: PHYSICAL DATA

Physical state: Liquid

Weight/gallon 8.60 lbs

Solids: 30%+1% by weight.

PH: 8.5-9.5

Viscosity (Brookfield) 100+ 50 cps, #2/100 rpm/70°F.

Boiling point: >200°F.

Solubility in water: Dilutable

SECTION TEN: SPILL AND DISPOSAL INFORMATION

Small spills: Contain using absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal.

Large spills: Dike to prevent further movement and reclaim into recovery or salvage drums for disposal.

Disposal: This product does not meet the definition of hazardous waste under the PA hazardous waste regulations 40 CFR 261. Consult your state or local authorities for proper disposal in the event more restrictive requirements apply.

SECTION ELEVEN: STORAGE

Protect from freezing - Product stability may be affected.

SECTION TWELVE: REGULATORY INFORMATION

TOSCA: This product meets the compositional requirements under the regulations of the chemical substance inventory, TOSCA, and public law-469.

SARA Title III, Section 313: This product does not contain toxic chemical(s) at or above the minimum concentrations subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARS) and 40 CFR part 372.

Chemical name/NA CAS number/NA Percent/NA

California Prop. 65: "Warning": This product may contain detectable amounts of a chemical(s) known to California to cause cancer and/or birth defects or other reproductive harm.

NEPA rating: Not established

HMIS ratings: H - health: 1

F – flammability: 1

R – reactivity: 0

Personal protection: B

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.