

A-Z Ultra Sealer

Solvent-Borne Acrylic Sealer



DESCRIPTION • *A-Z Ultra Sealer* is a single component, ready-to-use, high-performance solvent borne styrene acrylic resin topical sealer and concrete curing agent. *A-Z Ultra Sealer* deeply penetrates the surface while forming a highly durable non-yellowing film over the surface for high chemical and stain resistance. *A-Z Ultra Sealer* is available as a clear or colored solution and in glossy or matt finish.

USES • *A-Z Ultra Sealer* is used as a sealing, curing, and protective coat for colored and uncolored concrete and cementitious toppings, such as colored, stamped, stained, and exposed aggregate concrete, micro toppings and decorative overlays. *A-Z Ultra Sealer* enhances the color of decorative concrete and brings out the antiquing effect in stamped concrete and overlays, while at the same time protecting the surface against staining from liquids, oils, and food spills. *A-Z Ultra Sealer* is also ideal for protecting masonry surfaces, including interlock and porous brick, and other absorptive materials such as natural stone, plaster, and wood against moisture and oil penetration. *A-Z Ultra Sealer* is appropriate for interior as well as exterior applications. For added slip resistance on untextured surface, *A-Z GripCrete* may be added to the sealer just prior to application; please refer to the relevant CCC data sheet for further information. *A-Z Ultra Sealer* also works as a curing by preventing quick evaporation from the concrete surface. *A-Z Ultra Sealer* also helps to reduce surface degradation caused by chloride penetration and efflorescence. *A-Z Ultra Sealer* is suitable for medium to heavy commercial applications such as theme parks, public parks, driveways, and pool decks.

ADVANTAGES •

- ✓ Beautifies the look of the surface and gives it a new appearance.
- ✓ Enhances the color of colored concrete and brings out the antique and texture effects of stamped concrete.
- ✓ Topical, film-forming highly protective sealer.
- ✓ Seals and dust-proofs hardened concrete, stone, and brick.
- ✓ High chemical protection against stains caused by oil and food spills.
- ✓ Formulated for interior and exterior use.
- ✓ UV resistant – will not yellow over time.
- ✓ Allows the concrete to breathe.
- ✓ Early application capability.
- ✓ Extends the life of the structure by protecting the substrate from liquid ingress damage.
- ✓ Available in matt and glossy grades.

CONFORMANCE • Conforms to ASTM C1315, Type 1, Class A.

LIMITATIONS • Do not apply if ambient temperature is expected to drop below 5°C in the proceeding 24 hours. Do not apply if rain, dew, or water exposure is expected within 24 hours after application. Avoid application in direct sunlight and during high winds. When applying matt grade of *A-Z Ultra Sealer*, a coat of the glossy grade must first be applied to the concrete surface. Never apply the matt version directly to the concrete surface.

Do not apply on areas where negative hydrostatic pressure is possible. Apply in thin coats only; do not apply in thick coats as the sealer may become slippery or form a hazy surface. Not recommended for dense surfaces such as polished marble and granite or glazed tile as the sealer may delaminate. Check compatibility with coating on previously treated surfaces. Clear *A-Z Ultra Sealer* enhances the color of treated surfaces and will therefore slightly alter the natural appearance of treated surfaces. Not intended as a waterproofing membrane.

PHYSICAL PROPERTIES •

Solids Volume	27%
Pull Off Adhesion (ASTM D 4541)	4.8 MPa (Substrate Failure)
Chemical Resistance (ASTM D 543:95)	
Acetic Acid (10%)	Excellent
Sodium Hydroxide (10%)	Excellent
Hydrochloric Acid (10%)	Excellent
Moisture Resistance (ASTM C 156)	0.313 %
Dry Time (21C, 50% RH)	30 min. to touch, 1 hr. recoat, 4 hrs. foot traffic, 24 hrs. heavy traffic, 48 hrs. full cure.
Film Thickness	25-50 microns
Thinning	Not required, use organic solvents for cleaning.

STAIN RESISTANCE • *A-Z Super Sealer* was tested for stain resistance per ASTM D 1308; adverse effects were recorded as follows:

Test	Observation after		
	15 min.	1 hour	16 hours
Distilled Water (cold)	None	None	None

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Distilled Water (hot)	None	None	None
Ethyl Alcohol (50% by vol.)	None	None	None
Vinegar (3% acetic acid)	None	None	None
Alkalai solution (pH 11.5)	None	None	None
Acid solution (pH 2.5)	None	None	None
Soap Solution	None	None	None
Detergent Solution	None	None	None
Lighter Volatile Fluids (Acetone)	None	None	None
Oils & Fats	None	None	None
Ketchup & Mustard	None	None	None
Beverages (Tea & Coffee)	None	None	None
Lubricating Oils & Grease	None	None	None

COVERAGE • Coverage rates depend on porosity and texture of the surface, method of application, and other surface and job conditions. Minimum two coats are recommended for flooring applications. Dominant rates of coverage are 80 - 100 sq meters per 20 liter pail per coat.

SURFACE PREPARATION • All surfaces must be clean, free of grease, oil, dirt, wax, and other foreign matter that may inhibit penetration of the sealer. Cleaning agents may be used provided they are thoroughly rinsed from all surfaces before application of the sealer. Do not use soap or detergent for cleaning; residue may prevent the sealer from bonding to the surface. When applying on an existing sealer coat, check compatibility with the old sealer. Solvent borne sealers may be re-emulsified by the solvent, however, if the existing sealer is water based it may have to be stripped off. In renovation jobs, old stained sealer coats, whether solvent-borne or not, must be stripped off and removed completely before applying fresh coat.

APPLICATION • Avoid application in direct sunlight, or during strong wind. On hot days, apply early in the morning when temperatures are lower or late at night. Mask or protect surrounding areas from spills and contact with product or equipment. Rope off working area, close to traffic, and remove surrounding vehicles.

After thorough preparation of the surface, *A-Z Ultra Sealer* can be applied by brush, sprayer or roller. Use a short-hair nap roller for smooth surfaces, and a 9 - 12 mm nap roller for textured surfaces such as stamped and exposed aggregate concrete. A solvent-resistant hand-pump sprayer may also be used. Two applications of undiluted sealer coats are a must for flooring applications. An initial diluted coat with *A-Z Xylene* is recommended for highly porous surfaces. Matt grade of *A-Z Ultra Sealer* must always be preceded with a coat of the glossy grade. Always apply in thin coats and maintain a wet edge. Allow 24-48 hours drying time between coats.

Do not allow foot traffic for 24 hours after final application. Area may be opened to heavy foot traffic after a minimum of 72 hours.

MAINTENANCE • Treated surfaces should be inspected periodically for thin or traffic-worn areas; dull color and/or water absorption are good indicators of thinned out sealer coats. Stain damaged or discolored sealer coats must first be removed by chemical or mechanical means.

CLEANING • Tools and equipment must be cleaned with an organic solvent.

STORAGE & SHELF LIFE • Product should be stored in dry conditions away from direct sun light or freezing conditions. Shelf life is approximately 12 months from date of purchase in original unopened container under specified storage conditions.

SAFETY PRECAUTIONS • DANGER! FLAMABLE VAPOR AND LIQUID. Contains aromatic hydrocarbons. HARMFUL VAPORS. CAUSES EYE IRRITATION. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY – harmful or fatal if swallowed.

Do not breath vapor or mist. May affect the brain and nervous system, causing dizziness or nausea. Causes nose and throat irritation. Use in a well-ventilated area. Use a properly fitted organic vapor respirator (NIOSH TC-84A approved). Use goggles, protective clothing and vinyl gloves when handling. Keep away from sources of heat or ignition. FIRST AID: Eyes – Do not rub eyes, immediately flush with plenty of fresh water while holding eyelids apart. Skin – Wash with soap and water. Inhalation – Leave the area if experience difficulty breathing. Ingestion – Immediately give large amounts of water and induce vomiting; seek immediate medical attention.

PACKAGING • 20 liter pail.

Creative Concrete Concepts

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