



EXPOSITE® SB

Solvent-based high solids, clear acrylic sealer and water repellent

Advantages:

- Brightens and weatherproofs exposed aggregate walls and sidewalk areas.
- Dries hard - will not attract dirt, air-born dust or grime.
- Reduces moisture entry into concrete surfaces and helps prevent efflorescence.
- Is quick drying - dry to touch in 60 minutes.
- VOC content below 600 g/L (5 lb/gal)

Coverage:

- Yields approximately 200-400 ft² per gal (4.9-9.8m²/L)

See Coverage section for full details

Packaging:

- 55 gal (208.2L) drum
- 5 gal (18.9L) pail
- 1 gal (3.8L) pail (4/case)



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Product Description

EXPOSITE® SB is a high-performance acrylic sealer that leaves a glossy protective membrane on the concrete surface. It waterproofs, seals, and brings out the color to the substrate to which it is applied. The higher solids content increases the integral strength of the film; spalling is minimized and abrasion resistance to traffic, or windblown sand, is strengthened. Contains no silicones, waxes, or oils, and does not chip or peel when applied properly to clean dry concrete substrates. This product is formulated with methyl-methacrylate copolymer resins, aromatic solvents, and special additives, which results in an extremely tough acrylic surface that has many special qualities. EXPOSITE® SB penetrates deep into the concrete pores providing unusual durability and protection. Treated surfaces shed water, dirt, soot and chemical contaminants to prevent staining and moisture damage to the matrix. It will also enhance the color of integral colored concrete or exposed aggregate concrete by giving it a "wet glossy look". Because of the unusual characteristics of this formulation, it may be used for many different applications.

EXPOSITE® SB is widely used on concrete and brick substrates to protect against soiling by air-born contaminants or other materials that, by absorption, would cause unsightly substrate discoloration. EXPOSITE® SB offers surface protection plus water repellency and color enhancement.

Patterned/Stamped Concrete

It is particularly effective on textured patterned concrete surfaces where the irregular texture pattern readily traps dirt and other particles causing discoloration.

Decorative Polymer Concrete

Providing a high performance, tough, durable, protective, topcoat seal, EXPOSITE® SB enhances the color of

surfaces and provides additional chemical and abrasion protection.

Concrete Pavers

It brings out color, protects pavers from fading or color change due to weathering. Helps seal against spillages.

Light Weight Concrete Block

EXPOSITE® SB penetrates into concrete block pores for in-depth protection against moisture. The moisture exchange in concrete that brings soluble concrete salts to the surface is retarded.

Architectural Concrete

Reduces lime leaching which can etch tinted colored glass, aluminum, etc. EXPOSITE® SB brings out the fresh wet look color of aggregates.

Common and Face Brick

Stains are prevented from penetrating into the brick surface. Dried film provides protection against chemical attack and makes brick easier to clean.

Installation

Before using this product, please refer to the Material Safety Data Sheet for additional information. Proper handling precautions MUST be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results.

Revision: February 2009

Supersedes all previous publications

Surface Preparation

Surfaces must be thoroughly cleaned and dry. Remove all dirt, waxes, poorly bonded paints or coatings, efflorescence, laitance and any other foreign material. Apply test to determine bond and compatibility.

Test for Moisture

EXPOSITE® SB is not compatible with surfaces that contain moisture. The application of EXPOSITE® SB on surfaces that contain unacceptable levels of moisture will result in a cloudy or milky white appearance within the coating itself. Testing for the presence of moisture in a substrate can be done by precision test equipment or by simple imprecise test procedures. Precision testing involves the use of electronic metering devices that measure the moisture content of a substrate. An acceptable substrate will have moisture content of 4% or less. A simple, inexpensive but less precise method of testing for moisture is by using an 18-inch (457.2mm) square piece of plastic sheeting securely duct-taped to the substrate. The entire perimeter of the plastic sheet has to be sealed with tape, then observed for 48 hours. Condensation on the underside of the plastic sheet or darkened appearance of the substrate will be evidence of unacceptable level of moisture, and therefore indicating an unacceptable substrate and application should not commence.

Application Methods

Current Federal regulations for volatile organic components (VOC) require this product to be used "as is" and will not allow recommendations for thinning. The user is liable for health and environmental risks and penalties derived from thinning this product. Apply with spray, brush, roller, or lambs wool applicator: on smooth concrete use spray, lambs wool applicator or short-nap roller; on rough concrete (broomed or textured) use spray, brush, or long-nap roller. Do not allow material to puddle.

Caution

Rollers tend to incorporate air into product during application especially with excessive rolling. Apply like a lacquer to form a continuous film on the surface without thick or ponded areas. If necessary to brush apply, take care to flow material on surface evenly. Over brushing can cause foaming/pinholes. A power airless solvent resistant sprayer will give best results for large areas. Industrial solvent resistant low-pressure type pump sprayer will be best for relatively small areas. To ensure proper application with sprayers, use only clean or new industrial grade sprayer equipped with a non-adjustable fan tipped nozzle, neoprene hose and gaskets. Maintain sufficient pump pressure throughout application. Uniform surface coverage is essential. Avoid puddling in low areas. If material starts to come out in a stream, versus a fog, or starts to come out in spits and sputters, the nozzle has become clogged. Stop immediately and clean nozzle with lacquer thinner before proceeding. Clean the sprayer immediately after use with a lacquer thinner flush.

Texturing Additive

Lambert's premium texturing additive is a micronized crystalline polymer that is specially-machined to provide a unique texturizing (slip resistant) aggregate for EXPOSITE® SB. The particle size is carefully controlled to produce a uniform moderate textured type surface. The

rounded shape of the particles of Lambert's texturing additive will provide optimum abrasion resistance without irritating sharp edges thus allowing for easier surface cleaning than other aggregate textured surfaces. Lambert's texturing additive is gentle to bare feet when compared to silica texturing type aggregates making it a high priority item for pool decks and patio areas.

Limitations

Do not apply to wet or damp surfaces, this will cause poor bonding and a milky or frosty appearance. EXPOSITE® SB is not to be used as a concrete curing compound. It is not compatible with damp surfaces.

Although EXPOSITE® SB is a clear, film, any clear coating can change the light refraction characteristics of the surface giving the visual effect of a slight color change. Differences in porosity and non-uniformity of application on smooth masonry/concrete might affect the even distribution of EXPOSITE® SB. Application will give the colored surface a glossy wet look and will generally deepen the color. It will accentuate color variations or trowel burns. Always coat a test area to determine acceptability and to assure desired aesthetic results

EXPOSITE® SB does not promote slippage when used on a textured surface. However, water and other liquids when retained on a smooth treated surface will increase the slip potential to some degree.

EXPOSITE® SB is flammable and toxic in the liquid state. If interior surfaces are being coated (especially if spray equipment is being used) the application area should be well ventilated. Open foods, meats, vegetables and dairy products may pick up the solvent odors when applied EXPOSITE® SB is drying. All food stuffs should be removed prior to application and until the sealer has had time to fully dry.

On new masonry surfaces do not apply EXPOSITE® SB until concrete has been totally cured and moisture is no longer present especially at the surface level. On thin toppings this may be a 24-hour time frame, for 4-inches (101.6mm) thick concrete the time frame may be 28 days or longer. Applying EXPOSITE® SB to a wet or damp surface will cause poor bonding and a milky white or frosty appearance. If applied too heavily, the coating will cure with a milky appearance and the transparency will be impaired. If the excessively applied coating is exposed to rain or flowing water prior to full cure it will turn milky. Prolonged exposure to moisture or water may result in a temporary milky appearance that clears upon drying. This is particularly true on textured or stone surfaces. Application temperature should be 50°F (10°C) and rising.

Use adequate ventilation. Ventilation system should be capable of exchanging total air volume in application area in 30 minutes or less. Avoid prolonged or repeated breathing of vapor or spray mist.

Technical Data

	Engineering Data	
Color	Clear	
Solids	26-28% by weight	
Flash Point	80°F (26.7°C) - TCC	
Weight Per Gal.	7.75 lbs (0.93kg/L)	
Viscosity	18 Sec	4 Ford Cup
Dry Time	Light Traffic	1 hour
	Normal Traffic	4-8 hours
	Max. Hardness	7 days

Chemical Resistance	
10% - Sulfuric Acid	Excellent*
10% - Hydrochloric Acid	Excellent*
10% - Nitric Acid	Excellent*
40% - Sodium Hydroxide	Excellent*
100% - Vegetable Oil	Excellent*
100% - Mineral Oil	Excellent*
Aliphatic Solvents	Good*
Hydraulic Oil	Poor
Aromatic Solvents	Poor
Gasoline	Poor

*Good maintenance is essential in areas where chemical spillage is likely to occur. It is especially important that such chemical spillage should not be allowed to dry as higher concentrations of chemicals become involved. EXPOSITE"SB" will offer temporary protection to aliphatic solvent spillages but is not designed for areas where continuous spillages of petroleum products (gasoline, hydraulic oils, etc.) may be expected. If spillage removes the coating or wear patterns do occur, EXPOSITE"SB" can be reapplied to the affected area.

Coverage

200 to 400 square feet per gallon (4.9-9.8m²/L) depending upon the finish and porosity of the substrate. For higher gloss on porous or open textures or for greater chemical resistance, additional coats may be applied at recommended coverage rate.

Clean-Up & First Aid

Clean-Up

Clean brushes, tools, sprayers, rollers and other equipment with lacquer thinner, toluol, or xylol.

Warning Combustible: Contains mineral spirits and aromatic solvent. In case of fire use CO₂, dry chemical or universal type foams. Cool closed containers with water. Do not use water spray.

The skin of some people may be sensitive to the solvents used and in such cases protective gloves or creams should be worn and if necessary face protection.

Spills or Leaks: Eliminate all sources of ignition. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

First Aid

Eye Contact: Hold eyelids open and immediately flush with plenty of lukewarm water for at least 15 minutes and call a physician.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical aid.

Inhalation: Remove from exposure; administer oxygen if breathing is difficult.

Ingestion: Do not induce vomiting. Small amounts of liquid aspirated into lungs may cause serious pulmonary injury.

Safety Equipment: Solvent resistant gloves, goggles and if applied in areas of poor or inadequate ventilation, use mine safety mask and canister.

*KEEP OUT OF REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.*