
BOMASEAL S-24 Technical Bulletin and Application Guideline

Bomaseal S-24 is a high-quality, solvent-based acrylic sealer designed to permanently seal concrete and masonry surfaces. Treatment with Bomaseal S-24 provides a non-yellowing, medium to high gloss finish that will protect the surface from water, dust, stains and dirt. Bomaseal S-24 may be used on new and existing exterior surfaces. When applied according to directions, Bomaseal S-24 will enhance concrete, terrazzo, masonry or similar surfaces (especially coloured concrete surfaces).

FEATURES AND BENEFITS:

- Enhances decorative concrete
- High solids formulation
- Improves freeze-thaw resistance
- Available in wide colour selection
- Repels contaminants
- Improves aesthetic appearance of new or existing surfaces

GENERAL INFORMATION:

Colours

Clear and tinted. Bomaseal S-24 can be tinted using a Bomanite Tint Concentrate. Refer to any Bomanite Colour Chart. Custom colours are also available.

NOTE: Tints may vary slightly from batch to batch. Be sure to order enough tinted material initially to complete a specific job. Consult the appropriate Bomanite literature for applicable products.

Coverage Rates

Material usage, per coat, is approximately 3 – 4 m² per litre for textured surfaces and 3 -5 m² per litre for smooth finish. Actual coverage may vary depending on type, age and condition of concrete, application method and other local conditions.

Packaging

Available in 25 litre and 200 litre containers

Storage and Shelf Life

Approximately six months if kept from freezing and exposed to air. Keep at a 5 °C minimum.

Product Data

Odour	Sweet
Solids	24% +/- 2%
Specific Gravity	0.93
Density	0.94 kg per litre
Flash Point	37 °C
VOC	Less than 680 grams/liter. Not VOC compliant in all areas. Before use, consult regulations to determine if complies with VOC regulations in your area.

Gloss	93 (ASTM D523-89)
Safety	Exceeds slip resistance requirements (ASTM D2047)
Recoat	Excellent (ASTM D3153-87)
Drying Times (will vary depending on temperature and humidity)	
Set To Touch	1 to 2 hours after application
Recoat	2 to 4 hours after each application
Light Traffic	24 hours after final coat

Application

NEW CONCRETE

Warning: Do not apply to fresh concrete. Recommended minimum time for concrete to cure prior to Bomanite S-24 application is seven days, with an optimal 14-day cure. The surface must be clean and completely dry or Bomaseal S-24 may turn white or fail to form a proper film, leading to premature failure. Sealer will dry rapidly, so avoid application in hot weather.

Apply Bomaseal S-24 with a high volume/low pressure sprayer or pump-up sprayer, medium to heavy nap non-linting roller or other solvent-resistant applicator. Coat the surface uniformly without leaving puddles, heavy application lines or uncoated areas as this may show in the final finish. Multiple light coats are superior to one heavy application, with complete drying between coats (approximately two to four hours). Additional coats will increase gloss, durability and provide extra protection. Let final coat cure for a minimum 24 hours before opening to light traffic and 48-72 hours before opening to heavy or vehicle traffic. Two light coats at the recommended coverage are normally sufficient to seal and protect. The addition of xylene may be necessary to thin the product to facilitate spraying or to provide a priming coat for enhanced penetration.

EXISTING OR OLD CONCRETE

Warning: The surface must be clean and completely dry or Bomaseal S-24 may turn white or fail to form a proper film, leading to premature failure. Sealer will dry rapidly, so avoid application in hot weather.

Surface must be thoroughly cleaned, rinsed and allowed to dry. Dilute one part Bomanite Concrete Degreaser to eight parts water and scrub the concrete with the degreaser solution using brooms or low speed buffer equipped with scrubbing pads or brushes. Collect used cleaning solution whenever possible for proper disposal and then rinse with clean, pressurized water. Etching of surface may be necessary if calcium salts are present - use Bomanite Con-Clean for this application. If applying over old sealer, test prior to application in an inconspicuous area to ensure compatibility. Apply as for new concrete - see directions above. **Before application of this product, test in an inconspicuous area for desired results. If in doubt, consult Bomanite Corporation.**

Maintenance

Bomaseal S-24, like all surface sealers, must be kept clean for maximum durability and protection. Frequent removal of loose soils will significantly increase the service life of Bomaseal S-24 or any surface coating. For removal of ground-in soils, use Bomanite Floor Cleaner diluted two to four ounces per gallon of water. Scrub with a broom, pressure wash or use a low speed buffer equipped with red or blue scrub pads (light cleaning). Periodic resealing may be required dependant upon use and degree of care taken to maintain the

sealer. Bomaseal S-24 may be removed using Bomaseal Stripper.

Cautions

- Bomaseal S-24 is a solvent-based product and caution must be exercised in its use.
- Not recommended for interior application (see Limitation section below).
- Adequate ventilation will be necessary with the applicators wearing appropriate protective gear such as gloves, eye protection, respirators, solvent resistant clothing etc.
- Keep out of the reach of children.
- Do not take internally.
- See Material Safety Data Sheets for complete information.

Limitations

- Bomaseal S-24 is not recommended for interior application. Open flames, such as those associated with water heaters, furnaces and temporary heat sources, will cause ignition of the solvent fumes. It is strongly recommended that a water-based acrylic sealer, such as Bomanite HydroLock or Bomanite Hydrocoat, is used for interior applications.
- Bomaseal S-24 will protect concrete from dusting and soiling if applied properly, evenly and with sufficient coverage as outlined in the application directions. Application of too little Bomaseal S-24 will result in inadequate protection for the concrete. Over application may inhibit the breath ability and freeze/thaw resistance.
- Failure to maintain the concrete in a reasonably clean condition by sweeping or wet cleaning will result in premature wear and failure to protect the concrete. Occasional resealing may be required for optimal service life
- If efflorescence is present when sealing existing or old concrete, this may be an indication of excessive hydrostatic pressure from moisture in or beneath the concrete. Additional remediation of this problem will be necessary. Before applying Bomaseal S-24, determine if excessive moisture is present in the concrete by performing a test according to ASTM D4263. Apply a 450 mm by 450 mm piece of 2 mm plastic to the concrete when dry. Tape down with 50 mm duct tape and leave for at least 16 hours. Remove plastic and examine. If moisture exists on the underside of the plastic or on the surface of the concrete, there is moisture in the concrete. A penetrating sealer should be applied prior to the application of Bomaseal S-24. Consult the Bomanite Sealers/Finishes Cross Reference Guideline for more information on specific products.
- Consult the appropriate Bomanite Technical Bulletin and Application Guideline for the correct uses and limitations of any Bomanite products used in conjunction with Bomaseal S-24.

Warranty

This product is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer obligations under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product.