

Monostone™

Architectural Aesthetic Coatings Designed to Enhance and Protect Surfaces

Monostone™

Monostone™ is a specially formulated combination of polymers, modifiers and aggregates designed to enhance aesthetics of architectural features while exhibiting high performance coating properties that may protect underlying surfaces. Monostone™ is water-based and ready to use. When cured, Monostone™ forms a plastic/aggregate matrix, resulting in tremendous compressive strength while exhibiting flexibility while its adhesion characteristics promote a lasting bond when proper surface preparation is combined with ASC Primer™. Monostone™ may be applied over new or old masonry and concrete surfaces as well as wood and drywall.

Uses:

- Vertical surface treatment.
- Horizontal traffic rated surfaces.
- May be applied to interior and exterior surfaces.

Advantages:

- Protects underlying substrates
- Improvement of surface aesthetics of concrete, masonry, wood and drywall.
- Resists chipping peeling and cracking.
- Resists color change and yellowing with exposure to UV light.
- Hides minor substrate defects such as cracks, pits and seams.
- Provides traction enhancement in as sprayed state even after sealing with ASC Aqua Shield™.
- Resists shrinkage.
- Resists impact damage.
- Protects against repeated freeze/thaw cycles.
- Resists staining when combined with ASC Aqua Shield™.
- Improves water resistance.

Surface Preparation:

All surfaces to be repaired or coated must be structurally sound and clean. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond. SEE WARNING REGARDING PAINT REMOVAL. A dry removal method such as a sand or shot blasting procedure will ensure a proper surface preparation. Wet cleaning may also be used. If the size of the job does not justify the costs of such equipment, all preparations may be accomplished manually. All oil and grease must be scrubbed with a degreasing compound, rinsed thoroughly then allowed to dry. After cleaning oil or grease spots, sprinkle a little water on the cleaned surface to check for residual contamination. Oil or grease is still present if the water forms small globules. If the water is quickly absorbed, the surface is clean. Efflorescence must be washed with a mild solution of muriatic acid and water, rinsed thoroughly then allowed to dry. After cleaning, always prime the area with ASC Primer™.

Always perform a spot test (of sufficient size) prior to application in order to ensure compatibility with the substrate as well as to confirm that the appearance and performance are acceptable.

Mixing:

Mix at low speed (300-500 RPM) for about 30 seconds. Use a basket style mixing blade. Note: High speed mixing, long duration mixing or shear blade mixing may pulverize some of the product constituents, resulting in a pail to pail variation in aggregate size which may in turn result in cosmetic variation.

Application:

After proper surface preparation, priming with ASC Primer™ and mixing, pour material into hopper gun. The hopper gun should have a medium nozzle orifice (.312-.368" diameter) for best results. A good starting point for pressure is about 10psi. Begin spraying the material making small circular motions as you traverse the substrate up and down or side to side. A typical build is about 3/32" thick. Note: The surrounding areas should be masked out 2', however, with the advent of a helper, a portable masking board may be used to prevent overspray. With experience, the material can also be troweled smooth prior to drying using ASC Trowelube™. A second application may also be applied but is not necessary in most applications.

Coverage:

When Monostone™ is sprayed, the typical coverage is approximately 110 square feet per pail or 60-70 square feet per pail when troweled.

Curing:

Monostone™ curing is effected by temperature, humidity, wind and sun exposure. Avoid freezing the product prior to application and curing. The material may be applied between 45 degrees F and 100 degrees F. Note that curing time is increased when temperatures are below 70 degrees F, and when the Rh is above 70%. Typical cure time prior to applying ASC Aqua Shield™ Sealer is 24 hours. Note: Until fully cured, the product will exhibit a slight blue hue.



**APPLIED SURFACES
CORPORATION**

Distributed By: Applied Surfaces Corporation
51 Lacombe St. Unit 4 Marlborough, MA 01752 USA
www.AppliedSurfaces.com Phone: (508) 816-2294

Precautions:

- Monostone™ should only be applied when temperatures are between 45 degrees F and 100 degrees F.
- Do not apply over frost or frozen surfaces.
- The substrate temperatures should be between 45 degrees F and 90 degrees F.
- Concrete repairs should be avoided when the substrate temperature is near the maximum and there is direct sunlight.
- When handling and spraying Monostone™, protective gloves should be worn as well as safety glasses and a dust mask. See SDS for specific precautions.

Warning!

Do not take internally. Harmful if swallowed. If swallowed, do not induce vomiting. Drink two glasses of water. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Should vomiting occur be sure to keep victim's head below the hips to prevent aspiration of vomit into the lungs. Seek immediate medical attention. In case of contact with eyes, flush with plenty of water for 15 minutes. If irritation persists, seek medical attention. In case of skin contact, wash with soap and water. If irritation persists, seek medical attention. Gloves and eye protection are recommended when using this product. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling (508) 816-2294 **KEEP OUT OF THE REACH OF CHILDREN!**

Warning!

If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead. Wear a properly fitted respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation. For technical assistance call (508) 816-2294 The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.



APPLIED SURFACES CORPORATION

Distributed By: Applied Surfaces Corporation
51 Lacombe St. Unit 4 Marlborough, MA 01752 USA
www.AppliedSurfaces.com Phone: (508) 816-2294