



BLEND TECH SOLUTIONS

APPLICATION PROCEDURES

BLEND TECH SOLUTIONS COLOR STAIN SYSTEMS

Blend Tech Solutions Color is a translucent, UV stable dye, formulated using color designed to penetrate exterior and interior cementitious surfaces. Blend Tech Solutions creates a unique, multi-colored translucent color scheme that unlike paints, will not crack, chip, or peel. Blend Tech Solutions Color can be combined to create an unlimited color palate that creates a beautiful marble effect, when used properly. Create the look of a beautiful, custom acid stained floor in about 1/3 of the time.

ALL STEEL™ COLOR ADVANTAGES

- » 9 great standard colors and 19 custom colors give a wide variety to choose from.
- » Very economical way to finish and beautify most types of exterior or interior concrete.
- » ALLSTEEL™ Color dyed floors can be top coated with a variety of different coatings depending upon application needs.
- » Provides a beautiful mottled effect similar to the likes of acid stains and will not fade under UV rays.
- » Mixes with acetone to dramatically cut time and costs to the job.

SPECIFICATIONS

Conforms to:

OTC, CARB, LADCO & SCAQMD VOC restrictions.

COVERAGE RATE

- » First Coat: 600 - 1000 ft² per gallon*
- » Optional Second Coat: 600 - 1000 ft² per gallon*
- » Coverage rates above reflect approximate coverage of finished product (per gallon) applied per instructions.
- » Coverage rates will vary significantly and will be determined upon the surface porosity of the concrete as well as the application style.

Typical Properties & Technical Information

Property	Value
Solids/Active Content, Percentage by weight	Concentrated
Dry Time - Tack Free	5 - 15 minutes
Dry Time - Foot Traffic	Refer to instructions
Dry Time - Heavy Traffic	Refer to instructions
Re-Coat Time Window	Refer to instructions
Application Temperature	50°F - 80°F
VOC (Volatile Organic Compound) Content	Less than 50 grams/liter
Appearance - Wet	Depends on color chosen
Appearance - Dry	Light, Chalky color until sealed

USAGE INSTRUCTIONS

1. Test areas are strongly recommended on the actual surface of the proposed application. Testing in several areas of the concrete will better determine suitability, coverage, adhesion and approximate final results. The application area should be clean and free from all forms of dirt, oil, alkali, paint, cure, & seals, and any other form of contaminant. The concrete surface must be prepped within the proper ASTM guidelines for the specific type of protective coating to be used. Failure to open the pores of the surface adequately may result in delamination. Diamond grinding is the preferred method for most applications, however, a thorough acid etch may be sufficient if done properly. Apply a test spot to check for sufficient adhesion to the substrate prior to doing the entire job. Protect all areas not to be dyed accordingly. Apply Blend Tech Solutions Color only to dry, cured, neutral concrete surfaces.
2. Blend Tech Solutions Color is package only in a liquid form which needs to be mixed with acetone in 1 quart, 1 gallon, or 5 gallon increments. Mix Blend Tech Solutions Color into appropriate amount of acetone per instructions (this will depend on the size of the bottle purchased). Using the reclosable acetone container is recommended for mixing. Blend the mixture by stirring the open container, or by shaking the closed container for 30 seconds. If a slower drying solution that will create a better mottled effect is desired, add the recommended amount of Blend Tech Solutions Color Penetration and Mottling Agent at any time prior to application, per instructions. Do not use any form of electrical equipment to mix the dye with the acetone.

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3. Apply ALL STEEL™ Color using an acetone sprayer with a #6 or #8 conejet tip, keeping the tip approximately 24 inches from the surface. Apply in a uniform circular motion, not allowing the dye to puddle. Apply at a rate of 600-1,000 sq. ft. per gallon. The concrete surface should appear wet for just a few moments when applied properly. Mop up any puddle or excess dye with a clean rag to allow the surfaces to dry evenly. Allow ALL STEEL™ Color to dry for approximately 30 minutes prior to applying sealer or protective coating. For polishing applications it is recommended to use interior version ALL STEEL™ Color. **DO NOT OVER APPLY!** Over applying may result in delamination. In high conditions, add up to 4 oz. of ALL STEEL™ Color Penetration Mottling Agent to retard dry time. **FOR PERSONAL PROTECTION USE GLOVES, GOGGLES, AND RESPIRATORS.**
4. Between dye and sealer application, no cleaning or buffing is required.
5. Seal Exterior ALL STEEL™ Color using low viscosity, sparyable sealer. Use appropriate sprayer and tip per individual sealer instructions. Two coats are recommended for superior protection. It is not recommended to roll-on the first coat of sealer ALL STEEL™ Color, as it may reactivate the dye. 2000 Supreme or Stamp Seal are suggested sealers when using ALL STEEL™ Color.
6. **WAXING:** When using a floor wax, allow sealer to dry and completely cure for 3-4 days. Apply wax per manufacturer's specifications. Cherry Surf-Wax Gloss or Matte and Top Koat are our recommended floor waxes.
7. **PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture, ect.

PRECAUTIONS AND LIMITATIONS

- » This product will not freeze during storage, however, allow temperature to rise to 500°F prior to application.
- » All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- » If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- » It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- » This product performs best when applied as one or two medium-light coats, not one heavy coat.
- » Please be aware this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- » This product is not resistant to brake fluid, gasoline, and many similar products.
- » Thin only as instructed. Improper thinning may cause sealer to delaminate in a short time frame.
- » This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- » Follow the instructions for the chosen top coat for surface prep and application instructions.
- » **SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHT, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.**

SHELF LIFE

Up to one year from manufacture date in its original, unopened container stored at room temperature.

PACKAGING

Available in 8oz container* (mixes with 1 QUART acetone), 16 oz. container* (mixes 1 GALLON acetone), and 128 oz. container* (mixes with 5 GALLONS acetone). *All are filled to required concentration weight. Actual volume of each will vary by color.

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