PORTER®
PAINTS

PORTERCRETE™
Decorative Concrete Finish System

3110

PORTERCRETE Decorative Concrete Finish System No. 3110 is a durable, cementitious, non-skid, fade resistant, interior/exterior decorative floor concrete system for use on properly prepared concrete. This system is used to correct and decorate worn or cracked concrete floors, patios, pool decks, driveways, garage floors, etc. Applied in multiple thin-layer applications, the system allows floor leveling, and a wide variety of finish appearances with various finishing and staining techniques. *(NOTE: For best results PORTERCRETE Decorative Concrete Finish System No. 3110 should be applied by a professional contractor experienced in application of these systems.)*

USED FOR	FEATURES
• Surfacing Concrete	• Weather resistant • Fade resistant • Durable • Versatile • Highly decorative • Corrects surface defects

RECOMMENDED SYSTEMS

PORTERCRETE Decorative Concrete Finish System No. 3110 incorporates the materials required to prepare the cementitious base and finish layers, and the color additives and concrete stains required for appropriate coloring of each layer as required. The PORTERCRETE Decorative Concrete Finish System includes:

Resin, No. 3110: 100% Acrylic
Dry Bag Mix, No. 3112: White Portland Cement/White Silica Sand mix
Additives:
Color Additive: DESIGN SPECTRUM® Colorants Blended at point of purchase to requirements
Retarder, No. 3111 (when needed in hot weather): Sodium citrate dehydrate
"Turkey Tape": 3/8", 1/2", 3/4", 1¼" widths for "grout lines," etc.
Concrete Stain: COLOR SEAL™ WB Acrylic Concrete Stain No. 3549 series or COLOR SEAL Acrylic Concrete Sealer No. 3249 (solventborne).
Clear Sealer: PLEX-SEAL™ WB Clear Sealer No. 3215 or Plex-Seal Clear Sealer No. 3201 (solventborne).

Basic Slurry Mix Formula	Basic Shoot Mix Formula
5 quarts (min.) of Resin* No. 3110	4½ quarts (min.) of Resin* No. 3110
1 bag of Dry Mix, No. 3112	1 bag of Dry Mix No. 3112

Colorant blend as required, usually ¼ - ½ cup (more or less as required)

NOTE: Resin No. 3110 must be diluted with a minimum of 1 gallon to a maximum of two gallons of clean water per 5-gallons of resin. In hot weather when retarder is desired, two quarts of prepared (in store) retarder (No. 3111) per 5-gallons of resin may be added also.

LIMITATIONS

Concrete deck or floor must cure at least 7 days prior to acid etching and application of the PorterCrete System. **Concrete MUST be pressure washed @ 2500-3000 psi minimum after acid etching.** Do not apply when the air or surface temperature is below 40ºF or above 110ºF. Do not apply to damp surfaces. Do not apply sealers in the late afternoon if condensation or fog is likely to occur, nor when rain is expected within 12 hours. Surface temperature must be at least 5ºF above dew point. Do not shortcut cure times. **Use only solventborne stain or clear sealer No's. 3249 or 3201 for driveways and garage floors.**
***Do not add more than 2 gallons of water/5-gallons of Resin No. 3110. Protect Resin (No. 3110) from freezing.**

TECHNICAL DATA

Product Type: Acrylic-modified Cementitious
Base (tintable to special colors):
Resin, No. 3110: 100% Acrylic resin
Dry Bag Mix, No. 3112: Portland Cement/Silica Sand Blend, 50# bag
Color: White (tintable)
Percent Solids, Resin, No. 3110:
By Weight: 48 ± 2%
Weight/Gallon: 8.8 lb
Thinner*: Thin as required only with Resin mix (water added to resin-see note at bottom of Recommended Systems section).
Clean-up: Use warm, soapy water.
Recommended Base Coat Thickness: 1/16" - 1/8"
Base Coat Spread Rate: Approximately 150-200 sq. ft./bag
Dry time (70ºF @ 50% R.H.):
To Touch: 5 minutes
To Recoat: 1 hour minimum
Full Service: 14-28 days
(Expect longer dry times at lower temperatures and higher relative humidity.)
Flash Point: >200ºF (>93ºC)

Note: This product is not formulated with lead or mercury containing materials.

REGULATORY DATA

VOC (theoretical):
As supplied (untinted): 0.00 lb/gal (00 g/l)

PORTERCRETE Decorative Concrete Finish System

SURFACE PREPARATION

Apply PORTERCRETE Decorative Concrete Finish System to clean, dry, properly prepared concrete surfaces only. New concrete must cure 7 days minimum before applying the system. Remove paint from painted surfaces by sweep blast cleaning, paint remover, or mechanical abrasion as required before proceeding.

Remove deep chalk, dirt, oils, grease, wax, release agents, grinding dust, paint remover, etc. with PORTERPREP™ Heavy Duty Cleaner No. 571, Soilax and water or other appropriate cleaners and methods per ASTM Standard Practice D4258-83: Standard Practice for Surface Cleaning Concrete for Coating. Vacuum cleaning, water cleaning, detergent water wash, powerwash cleaning, steam cleaning, hand tool, and mechanical cleaning are acceptable cleaning methods. **Remove efflorescence** by pressure-washing or cleaning with dilute muriatic acid (following manufacturer's instructions). **Remove mildew** by washing with a commercial mildew cleaner or with a mixture of 1 part chlorine bleach to 3 parts water. Dry substrate thoroughly to a moisture content under 12% before coating (check with a moisture meter or follow ASTM Test Method D 4263: Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method).

Prior to application of the PorterCrete Decorative Concrete Finish System, the surface must be prepared by acid etching (see Porter Paints Technical Bulletin #14), sweep blasting, or scarifying to increase porosity and remove laitance. *(NOTE: If acid etching concrete cured only 7 days, reduce acid exposure time to about 15 seconds before rinsing.)* Concrete surfaces sealed with curing compounds or sealers usually must be sweep blasted to remove the contaminated layer. Fill cracks and voids or spawled areas with Bondex (or other) Concrete Patch and allow to cure well before acid etching. Always power wash with at least 2500-3000 psi to remove fines and residues after preparation. Allow to dry thoroughly before application of the PORTERCRETE Decorative Concrete Finish System.

INSTRUCTIONS FOR USE

Tinting: Tint with Porter DESIGN SPECTRUM® Colorants by shooting the 5-gallon tint formula for the desired color into a 32 ounce bottle or quart can. For lighter colors, fill the remaining space with VV colorant. Shake well until the colorants are completely blended. Typical colorant addition per 50 lb. bag of dry mix is ¼ - ½ cup of the blended colorants. However, use more or less as required for proper color in the dried mix.
NOTE: Earth pigment colorants such as EE, JJ, KK, MM and TT are best for fade resistance.
Mixing: SLURRY MIX: Add 5 quarts of Resin mix to a 5-gallon pail or other suitable container. Add 1 bag of Dry Bag Mix. Mix thoroughly with a power mixer. **SHOOT MIX:** Add 4 quarts of Resin mix to mixing container. Add 1 bag of Dry Bag Mix. Mix thoroughly with a power mixer.
Thinning: Thin as required with Resin mix only. (NOTE: Lower strength mixes with added water blended with the Resin mix for thinning may be used for foot traffic only areas. Review with your Porter Representative for proper guidelines.)
Retarder: When necessary, add two quarts of prepared retarder to 5 gallons of Resin No. 3110/5 prior to use. (Note: Retarder is premixed by store.)
Clean-up: Clean tools and spray equipment with warm, soapy water as necessary during the work day, and immediately after use.
Application:

Conditions:	***Temperature Range:***	40ºF to 110ºF (air, surface, materials) (Optimum temperature range is 60-80ºF)
	Dew Point:	Surface temperature must be at least 5ºF above the dew point.
	Relative Humidity:	Not applicable, but do not apply if rainfall is imminent
Equipment:	***Trowel:***	Use stainless steel or polyethylene.
	Squeegee:	Use as available.
	Spray:	Goldblatt Hopper Gun or equivalent.
Directions:	***Parge Coat (base or scratch coat):***	Level any low areas if necessary with thin (¼" or less) layers of a loose (thin) slurry mix, and allow to set up 4 hours minimum before applying the parge coat. Apply the slurry mix parge coat (tinted if required) at 1/16"-1/8" thickness. Allow to set for at least 1 hour before proceeding.
	Texture Coat:	Using a Goldblatt Hopper Gun (or equivalent) with air pressure-*15 psig is a good starting point*- and orifice size as necessary for the required texture, shoot the shoot mix (tinted if required) texture coat. As the texture coat material begins to dry, trowel the surface as required for intended appearance. Trowel the surface in one direction to create a straight lace texture for example, or trowel smoother if a tile design will be created. Note: Tile designs may be created with the use of "turkey tape" before the texture coat is applied, or with the color stain application. Allow the surface to dry completely before applying color stain or sealer.
	Staining/Sealing:	Apply one or more coats of Colorcrete Stain No. 346 Series or COLOR SEAL WB Acrylic Concrete Stain as required for color and uniformity. Overcoat with Plex-Seal WB Clear Sealer for a total of at least three coats of stain and sealer. Allow to dry thoroughly between each coat. Dry 24 hours before foot traffic; three days for placing furniture.

PRECAUTIONS

Prior to using this product, the user is specifically directed to obtain and read the current Material Safety Data Sheet and Label for this product. If, after reading these documents, you do not understand them, do not use this product. KEEP OUT OF REACH OF CHILDREN.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL
Packaging: 5-Gallon Pail; 50 lb. bag.
Shipping Weights: 46.9 lb/5-gal, 50#/bag

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www.porterpaints.com. For Internet Ordering: www.getpaint.com