

COLOR MIST

CONCRETE STAIN

TECHNICAL DATA SHEET

Overview

Concrete Chemistries Color Mist is an advanced, polymer modified water-based concrete stain that penetrates and bonds with cementitious surfaces to create a beautiful and long-lasting look. Color Mist stains are UV stable and offer a vibrant, mottled and varied look equal to reactive types of concrete stain products without the hazards or application complications. Available in 18 colors.

Uses

Apply to any cured interior or exterior concrete or overlay surface that is free of dust, dirt or debris. May also be applied to blocks, pavers, and other porous cementitious surfaces as desired.

Coverage

Approximately 250-400 sq. ft. as supplied. Coverage depends on porosity of substrate, application technique and condition of the concrete/masonry surface.

Prep

Proper preparation of the concrete floor is essential to a successful application of Concrete Chemistries Color Mist stain. Dirt, grease, glues, and any other contaminants must be removed prior to beginning the stain process. Apply Power Klenz to the floor to clean, degrease and lightly strip the floor. Heavy oil stains, previous floor adhesives may require a longer dwell time at higher concentrations to remove. Test prior to determining concentration.

1. Mix 25% Power Klenz with 75% water for strong degreasing and cleaning. Use at 50% concentration and up to straight for heavily stained floors and adhesives.
2. Allow to dwell for up to 30 minutes.
3. Agitate clean with floor brush or floor machine with red pad or similar.
4. For adhesives, allow to dwell for 3-4 hours to soften adhesives enough to scrape from floor.
5. Vacuum up cleaner and contaminants. Rinse floor thoroughly with mop and extractor/ shop vac.

Etch

Old and even new concrete must be profiles before applying Color Mist to the surface to ensure proper penetration for a long lasting application. Avoiding this crucial step can result in a failed application or reduced stain longevity.

1. Mix 25% Terra Etch with 75% water in a one or two gallon pump sprayer for a potent acid mixture.
2. Spray entire floor evenly. Avoid over spray onto walls, metals or other surfaces. Consider carefully brushing acid up to walls to avoid overspray. A foaming type reaction should be visible while applying. This signals that the acid is reacting and etching the surface.
3. Allow Etch to dwell for up to 10-20 minutes.
4. Vacuum up Terra Etch. Rinse floor thoroughly with mop and extractor/ shop vac.

5. Allow floor to dry for at least 24 hours prior to staining. The use of floor fans can aid in drying time.

Color Mist Staining

Once the floor is dry and the concrete is opened, it is time to apply Color Mist to the floor. Color Mist is a micronized pigment formula designed to penetrate and bond with concrete and cementitious surfaces. It should be applied in multiple light layers until the desired appearance is achieved. Proper drying times (approximately 1 hour) between applications and colors is essential to the success of the project. Applying Color mist too heavy at one time can cause improper penetration and bonding of the pigment, a slow or incomplete cure, which can affect the cure of the top coat.

1. Vacuum or sweep floor thoroughly to ensure there is no debris on surface – this step cannot be stressed enough.
2. It is recommended to apply paper wall protection over walls and areas that need protection before staining. Paper wall protection will absorb overspray and result in less drips. Plastic guard is not recommended if possible since it causes more drips along the walls.
3. For best visual results, when more than one color is desired, apply lightest color first, then accent with darker color on the second or third application.
4. Shake bottle well prior to pouring stain into pump up sprayer. Pour half of bottle into sprayer. Replace cap on Color Mist bottle and shake again to blend any pigment that has settled to the bottom of the bottle. Pour into sprayer.
5. Test sprayer on a large piece of cardboard to ensure nozzle setting. A wide spray is best for application. Carry a wet rag or microfiber in your pocket to blot any solid drips from the nozzle as you apply the stain. It is recommended to keep sprayer end in a bucket as you go to control and dripping as well.
6. When spraying, hold the nozzle 12"-18" from the surface. Move your hand in a circular, figure eight and other random patterns in order to create a random application of the Color Mist pigment. Always using the same movements while spraying can result in a visible pattern over an entire surface which is undesirable. It is recommended to perfect this technique with the pump up sprayer and water a few days before applying the stain. Practice on cardboard, another area not intended for staining or the floor intended for stain (allow to completely dry).
7. Move at an even pace deliberate pace. Use your practiced random spray techniques as you go. At edges/walls, make sure to overspray on to the paper guard. This technique will help avoid a dark pigment line at the wall edge that will stand out at the end of the project. Proceed until color is applied to entire floor.
8. After about an hour, or when floor is able to be walked on in socks or bootie shoe protectors without pigment coming off, inspect floor to determine if a second application is necessary. For single color floors, two lighter applications is usually best for a good distribution of color.
9. It is essential that the first color has dried enough before applying second color, or the colors may mix and blend together.
10. Make sure first color is properly cleaned out of sprayer with water prior to adding second color. Pour any unused pigment into a bucket. Purge spray of rinse water and follow previous steps to pour in new pigment. Apply 2nd color to floor in same manner as first. Try to mimic natural effects seen in nature and add color randomly with highs and lows in the intensity of the pigment. Apply conservatively and then add more where desired.
11. Once all colors have been applied, allow floor to properly dry before applying a protective top coat to the stained surface. Drying times will vary, but it is recommended to wait 2-3 hours at a minimum.
12. Once dry, apply Concrete Chemistries Barrier Gloss or Barrier Matt to stained surface for years of beautiful protection.

