



## ESTIMATING GUIDE

1 U.S. gallon covers 150-200 Ft<sup>2</sup>/Coat

1 Liter covers 3.6-5 M<sup>2</sup>/Coat

*Note: Coverage rate depends on surface texture and porosity of the substrate*

## COLORS

ColorSil is available in nine standard colors. Special orders for custom colors or color matching services require minimum quantities and a minimum 10 working days notice prior to shipment. Owner must approve color matches prior to production.

## DIRECTIONS

**SURFACE PREPARATION:** Surfaces to be treated must be a minimum of 14 days old. All surfaces to be treated must be clean and free of all dust, dirt, soot, oil, grease, form release agents, curing or sealing compounds, waxes, laitance, efflorescence or other contaminants that would prevent penetration and reaction of the ColorSil. Remove any loose or powdery material. All holes, cracks or deteriorated mortar joints should be repaired prior to application of ColorSil. Typically, power washing with a minimum 1,500 psi pressure is effective at removing most contaminants. Allow surface to complete dry before application of ColorSil. If caulking is required, use an acrylic joint sealant. Incidental metal and wood surfaces must be primed and sealed; metal with a rust inhibiting primer, wood with a high quality primer sealer. Contact ChemMasters for recommendations concerning any special circumstances. A test panel for owner's approval of color and finish is recommended.

For exterior applications, protect landscape plants from drips and splatters. ColorSil is not harmful to plants but will leave a powdery residue on leaves and grass when it dries.

For superior waterproofing protection, an application of Aquanil Plus 40 or Aquanil Plus 100 is recommended prior to ColorSil application. Aquanil Plus 40 is a 40% solids silane treatment and Aquanil Plus 100 is 100% solids. These products will penetrate deeply into the substrate and enhance the water resistance of the system. The application rates for the silanes are typically 100 to 150 square feet per gallon depending on the substrate. Refer to the technical data sheet for these products for further instructions or contact ChemMasters for details. Allow silane to thoroughly dry prior to application of ColorSil.

**MIXING:** ColorSil is a heavy bodied, single component silicate material, packaged ready-to-use. A mechanical mixer equipped with a jiffler blade or paddle is recommended for stirring.

**INITIAL COAT:** Dilute first coat with water at a ratio of one quart water to one gallon of ColorSil (0.25 liters water to 1 liter of ColorSil). Stir diluted material until well blended and uniform in color with no streaks.

For best results, apply ColorSil when the ambient temperature is between 50° - 90°F and the humidity is less than 90% RH. Apply thinned ColorSil with a brush at a rate of 150 Ft<sup>2</sup>/gal (3.6M<sup>2</sup>/L). This initial primer application ensures an optimum depth of penetration and silicification of the substrate. Allow to dry before applying second coat. Dry time is usually 2-4 hours at 70°F.

**SECOND COAT:** Do not dilute second coat of ColorSil. Apply at a rate of 150 - 200 Ft<sup>2</sup>/gal (3.6 -4 M<sup>2</sup>/L) within 24 hours of primer application using a brush, medium napped roller or airless sprayer.

## CLEAN UP

Clean tools and equipment with warm soapy water before material hardens.

## LIMITATIONS

- Do not apply if ambient or surface temperatures are, or are expected to go below 40°F (4°C) within 24 hours of application
- ColorSil is a water-based product and must be protected from freezing.
- Do not apply to frozen or frosted surfaces, or if rain, dew, fog or high humidity is expected within 2 hours of application.
- Do not thin second coat of ColorSil as this effects the color density or hiding power.
- Not recommended for waterproofing below grade exterior walls or for traffic bearing surfaces
- Unsealed metal or iron particles found in brick or block may cause discoloration if not properly sealed

## STORAGE

Store tightly closed containers between 40°-80°F (4°-27°C). ColorSil is a water based product. Do not allow to freeze. Shelf life is one year from date of manufacture. Mechanically stir material that has been in storage prior to application.

## CAUTION

May cause skin or eye irritation. Keep out of reach of children. All label directions and MSDS must be fully understood before using this product.

***This Product is Formulated and Labeled for Industrial and Commercial Use Only***

*FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT*

*We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.*