



## CCC CONCRETE TOP

### DESCRIPTION

CCC concretetop is ideal for creating seamless surfaces over existing substrates (in concrete, sand-cement screed, ceramics, self leveling surface) and for renovating old internal floors and exterior flatwork. Its practicality and great looks make it ideal for homes, shops, showrooms, restaurants and hotels. Concretetop is not only ideal for floors but also covering vertical surfaces including plasterboard, masonry, staircases, bathtubs or shower enclosures.

### USES

- Residential
- Shops and showrooms
- Hotels and restaurants
- Shopping centers
- Pool borders
- Museums / galleries CCC concretetop can be used to create continuous paving with a variegated finish using stains.

### FEATURES

- Application in just 3 mm
- Continuous: no interruption, can be applied on floor, wall and in general on every surface and object.
- For both indoor and outdoor use
- Applicable on: ceramic, plasterboards, bricks, cement screeds, wood, stairs, bathrooms and showers.
- Resistant to UV rays and harsh weather conditions.
- Manufactured with low environmental impact.

### PREPARATION OF THE SURFACE

Each surface is treated differently depending on whether this is concrete, sand cement screed, ceramic or a self-levelling surface. The floor may be shot-blasted, diamond ground or treated with active-gel, a special acid-based gel that removes the weaker and friable elements on the concrete surface to ensure excellent mechanical adhesion. Badly damaged concrete or cracks need to be repaired prior to concretetop being applied. Repair mortars and epoxies are used for such repairs.

### DOSAGE AND CONSUMPTION

It a water to powder mixing which dosage depends on the method of application. Usually one part of CCC concretetop to one part of water is used for difference coats. Always a run several trials to find suitable ratio.

### APPLICATION

Application temperatures should be between 5°C and 35°C. Always test a small area to ensure bonding ability and satisfaction of appearance before total application. CCC concretetop may be applied by sponge, brush, roll, spray, or trowel. The ideal method for dosing water is parts by volume. Use all mixed material within 4 to 6 hour. CCC concretetop can be sponged, brushed, or rolled on using a roller with ½" nap for smooth surfaces, or ¾" nap for rough textured surfaces. Generally the higher the amount of water, the more transparent the finish will be. A minimum of one part CCC concretetop to one part water is needed for workability. The mixture can be diluted with up to three parts water for a light tint.

Sponge, brush, and roll application:

CCC concretetop can be sprayed using a gravity feed air spray gun, ideally having a 2.8 nozzle.

Spray application:

warning: all personal in the area must wear an approved dust respirator while applying CCC concretetop by spray typically, the CCC concretetop powder might have to be sieved through a fine fabric to remove coarse components in order to prevent clogging of the spray nozzle. Generally one part CCC concretetop to at least one part water is used for the first coat - run several trials to find suitable ratio.

If a blended effect is desired, apply consequent coat while the previous coat is still wet. If distinction between different colors is desired, allow each coat to dry for at least two hours before applying the next coat CCC concretetop can be applied by trowel or scrapper for a strong, high-wearing layer. The mixing ration can vary widely depending on the desired effect and the area of application. For application on vertical surfaces, a slightly thicker consistency is required; mix the powder to water in a 1.5:1 to 2:1 ratio to achieve a workable paste.

Trowel/scrapper application: for smooth trowel finished flooring applications, first apply a minimum of two coats of CCC concretetop by squeegee. Before applying the final smooth troweled layer, lightly sand the CCC concretetop surface once it is fully dry to remove any ridges or marks from the squeegee. Mix one part CCC concretetop to at least one part water and apply with a steel trowel while applying a good measure of pressure in order to skim the CCC concretetop on the surface. For a more color variegated look, apply another coat with a higher dilution ratio once the preceding layer has fully dried. Never apply the CCC concretetop in a thick layer. Different colors can be used to achieve an old world plaster look. The surface can be sanded with 320-800 mil sand paper to produce an elegant sheen, and to remove trowel marks if not desired. Allow a minimum cure of 12 hours before sanding. If the surface is to be saw cut, allow to cure for a minimum of 24 hours.

## **MATURATION**

Once the application is completed, leave the surface to mature for a period of 8 -4 hours between applications and for 24 hours before allowing foot traffic. Important for better curing, it is very important to ensure good air circulation in the working environment. Humidity levels above %70 can delay the curing of concretetop.

## **TECHNICAL NOTES**

Concretetop flooring is applied manually and it must therefore be understood and accepted that there may be slight unevenness and minor defects due to the fact of working with a "semi-plastic" material. Concretetop is a handmade product, unique and not mass-produced, and so any differences and/or the hues of colors and/or color concentration must be seen as a valuable element of the work, not an imperfection.

## **COATING**

After 5-4 days, once concretetop is cured, the application of a protective sealer or coating is recommended. Do not seal if the surface is still wet or not completely dry. The type of sealer should be chosen with consideration to the amount of traffic anticipated and the environment. These products are applied by short pile rollers, sprayers or wax spreaders. Contact CCC for technical information.

## **MAINTENANCE IMPORTANT:**

Concretetop floors are considered decorative flooring, so you will have to pay particular attention to their maintenance:

- Wash the floor with a neutral ph.
- Do not under any circumstances use corrosive products.
- Every 4 - 3 months you should apply a new coat of CCC Wax.

## **PACKAGING**

Packaged in 25 kg bags.

## **STORAGE**

Store in a cool and safe place at a temperature of 15 - 20°C. Keep containers tightly sealed. The shelf life of the polymer is at least 12 months and the duration of concretetop bc, fc and hp is 12 months.

## **PRECAUTIONS**

Ccc concretetop is not intended for public use, it is intended for use by experienced and trained concrete contractors. The product is cement-based so avoid contact with skin, mucous membranes, eyes, etc. In case of accidental contact, wash thoroughly with soap and water and seek medical advice. It is recommended to use masks and gloves. In closed rooms, provide good ventilation and avoid the inhalation of dust. Soap and water are sufficient to wash hands and other body parts. Consult the safety data sheet.

## **IMPORTANT**

All the information contained in this sheet is based on the best practical and laboratory applications. It is the customer's responsibility to check the product is suitable for the intended use. The manufacturer declines any responsibility for wrong application. It is recommended to carry out tests on small areas before application. This sheet replaces and cancels any previous one. The data contained can be changed at any time. Ccc products are for professional use and the company organizes periodic training for its customers on demand. Anyone who uses these products without qualification takes all the associated risks.