



## **Colorquartz CQ FLOOR Installation Guide**

### **PRODUCT DESCRIPTION**

Colorquartz CQ Floor is a 100% solids decorative floor system designed for use over concrete and other various other substrates to protect against wear and chemical attack while providing decorative appeal and non-slip profile.

### **COVERAGE RATES AND PACKAGING**

|                                  |                                  |                                 |
|----------------------------------|----------------------------------|---------------------------------|
| 4100 PRIMER                      | 266 ft/gal<br>400 ft/kit         | Sold in 1.5-Gallon Unitized Kit |
| 4800 EPOXY CLEAR & NON YELLOWING | 45 sq ft/ gal<br>67.5 sq ft/ kit | Sold in 1.5-Gallon Unitized Kit |
| COLORED BROADCAST QUARTZ         | 83 sq ft per bag                 | Sold in 50lb Bags               |

### **SUBSTRATE REQUIREMENTS**

#### ***Concrete***

Concrete shall be structurally sound and stable. Concrete shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. Concrete may need to be mechanically profiled and prepared by shot-blasting, grinding, or other means of scarification. All cracks, gouges, and other surface defects need to be addressed prior to coating installation. Substrate and ambient temperatures must be above 50°F (10°C) during installation of coating. Relative humidity should not exceed 65% during installation of the coating. Environmental conditions must not be near the dew point during installation of the coating. Moisture Vapor Transmission of the substrate must not exceed 3lb per 1000 ft<sup>2</sup> per 24 hours. For high MVT substrates, consult with a Versatile Building Products representative for recommendations.

#### ***Other Substrates***

Consult with a Versatile Building Products representative for recommendations over other substrates.

### **STEP 1) INSTALLATION OF 4100 PRIMER**

(Note: Cure time is effected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has a pot-life of 30 minutes based on an insulated 200 gram mass at a starting temperature of 77°F. **Warning: Large masses of mixed and/or heated material will have a shorter pot-life.**)

#### ***Mixing***

Mix 2 parts by volume 4100 PRIMER A-Component with 1 part by volume 4100 PRIMER B-Component for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Transfer mixed material to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture.

#### ***Application***

Apply mixture to the substrate using a brush, roller, or squeegee at a uniform coverage rate of 266 ft per mixed gallon. Use spiked shoes when walking into wet material.

#### ***Subsequent Coats***

Additional coats and techniques may be needed to obtain the desired results for MVT. 4100 may allow MVT bubbling during the drying process due to high MVT in substrate. Consult with a Versatile Building Products representative for recommendations to achieve specific results.

Allow 4100 to cure for a minimum of 16 hours before proceeding.

### **STEP 2) INSTALLATION OF 4800 RESIN AND QUARTZ BROADCAST**

(Note: Cure time is effected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has a pot-life of 30 minutes based on an insulated 200 gram mass at a starting temperature of 77°F. **Warning: Large masses of mixed and/or heated material will have a shorter pot-life.**) Use Non-Yellowing B Component for applications exposed to UV.

#### ***Mixing***

Mix 2 parts by volume 4800 CLEAR RESIN A-Component with 1 part by volume 4800 CLEAR RESIN B-Component for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Transfer mixed material to a second mixing vessel

and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture.

#### ***Application***

Apply mixture to the substrate at a rate of 200 sq ft per gallon using a brush, roller, or squeegee and broadcast COLOR QUARTZ evenly into wet material until the underlying substrate is no longer visible. There should be no shiny spots when viewing the broadcast surface at a low angle. Use spiked shoes or cleats when walking into wet epoxy if necessary. You can not use cleats once the quartz has been broadcast.

Allow basecoat and broadcast to cure for a minimum of 8 hours before proceeding.

#### ***Clean-up***

Immediately cleanup splatter marks and tools with lacquer thinner. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

### **STEP 4) SECOND BROADCAST**

After 4800 CLEAR RESIN basecoat has cured sufficiently to hold the COLOR QUARTZ, remove excess broadcast by scraping, blowing, sweeping, and vacuuming the surface. Do not scrape the quartz! Re-apply a second broadcast coat to obtain build and uniformity using the procedure as listed in previous step at a rate of 170 sq ft per gallon.

Allow second broadcast layer to cure for a minimum of 8 hours before proceeding.

### **STEP 5) BROADCAST CLEAN-UP**

After 4800 CLEAR RESIN basecoat has cured sufficiently to hold the COLOR QUARTZ, remove excess broadcast by blowing, sweeping, and vacuuming the surface. Do not scrape the broadcast quartz!

### **STEP 6) INSTALLATION OF 4800 CLEAR RESIN OVER BROADCAST**

(Note: Cure time is effected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has a pot-life of 30 minutes based on an insulated 200 gram mass at a starting temperature of 77°F. **Warning: Large masses of mixed and/or heated material will have a shorter pot-life.**) Use Non-Yellowing B Component for applications exposed to UV.

#### ***Mixing***

Mix 2 parts by volume 4800 CLEAR RESIN A-Component with 1 part by volume 4800 CLEAR RESIN B-Component for 2-3 minutes using a jiffy-type mixing blade at no less than 400rpm. Transfer mixed material to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture.

#### ***Application***

Apply mixture over the broadcast surface using a brush, roller, or squeegee and backroll to finish at a rate of 120 Sq ft per gallon.

Allow Topcoat layer to cure for a minimum of 8 hours before proceeding.

#### ***Cure Times***

Coating can typically accept light foot traffic in 8-16 hours, vehicular traffic with pneumatic tires in 36-48 hours.

#### ***Cleanup***

Immediately cleanup splatter marks and tools with lacquer thinner. Clean hands and exposed skin with mild soap and water, lacquer thinner, acetone, and/or citrus based hand-cleaner.

### **ADDITIONAL CAUTIONS AND RECOMENDATIONS**

- Do not force dry
- Coverage rates vary with preparation methods
- Mask all areas that need protection
- Always wear protective clothing and equipment as required by OSHA and as necessary
- Read Material Safety Data Sheets before commencing work
- Store material at 50-70°F to prevent shortened pot-life due to excessive heat
- Use Non-Yellowing B Component when system is exposed to ultraviolet light