

# Gemstone Base Flex

Acrylic-emulsion based colored bond coat

## DESCRIPTION:

Gemstone Base Flex is a flexible and breathable coating based on a combination of acrylic resins and aggregates. It can be used as the background, grout line color, or topcoat for the systems listed under the APPLICATION section below. Ceramic protective, textured coating providing outstanding waterproof properties.

## RECOMMENDED FOR:

- < Under Gemstone Diamond Deck™ and Gemstone spray toppings as a colored coat to provide grout color lines and background color.
- < To provide uniform color to concrete.
- < Pool decks, walkways, balconies and patios.
- < Topcoat when a clear sealer is applied over the Base Flex.

## FEATURES / BENEFITS:

- < Single component, breathable, water-based, acrylic product.
- < Excellent bonding capability to provide flexibility and waterproofing.
- < Fast cure time
- < Multiple color options
- < VOC compliant, environmentally friendly, tools clean with water.

## PACKAGING / ESTIMATING:

Gemstone Base Flex is packaged in 5 Gallon (18.9 L) pails.

Coverage rates of 100 ft<sup>2</sup> – 150 ft<sup>2</sup> per gallon. 13 – 25 wet mils per coat.

Rates will vary with the texture and porosity of the surface.

## PERFORMANCE DATA:

<b>Working Time:</b>	60 min. at 70° F
<b>Recoat Time:</b>	2-3 hours at 70° F
<b>Elcometer Adhesion:</b> (ASTM D 4541)	100 % Cohesive failure 0 % Bond loss.
<b>Tensile Strength:</b> (ASTM D 412)	115 PSI
<b>Elongation:</b> (ASTM D 412)	350%
<b>Ultraviolet Resistance:</b> (ASTM D 822)	No yellowing after 1,000 cycles
<b>Vapor Permeability:</b> (ASTM E 96)	6.54 US perms

## SURFACE PREPARATION:

Remove all deteriorated and delaminated concrete. Substrate should be free of all oil, dirt, grease, and other contaminants.

The surface should be roughened by mechanical methods such as sandblasting, water blasting, shotblasting or other suitable means. Do not use a method of surface prep that will fracture the concrete. Verify the absence of microcracking or bruising in accordance with ICRI Guideline No. 03732 (profile of CSP 2-3).

Areas deeper than 1/8 in. (3 mm) should be repaired prior to the application of the Gemstone Base Flex.

## MIXING:

Mix Mechanically with heavy duty drill (400 – 600 rpm) and a Jiffy-style paddle with a mud blade. An appropriately sized mortar mixer may also be used.

## APPLICATION:

Depending on the substrate texture, one or two coats are necessary for consistent color. Apply material with an airless sprayer or paint roller at a rate of 100 to 200 square ft. per gallon. Allow to Dry thoroughly.

## LIMITATIONS:

- < Do not apply coating when rain is expected within 10 hours.
- < Gemstone Base Flex must be mixed to a uniform consistency.
- < Do not apply when temperatures are below 40° F.
- < Recommended ambient and substrate temperature range at the time of application is 50 to 90° F. (10 to 32° C).
- < If more than one pail is being used, box all material together for uniform color and consistency.
- < 1-year shelf life when properly stored
- < Protect from freezing

**For medical emergencies call ChemTrec at 1-800-424-9300.**