

PRODUCT DATA

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 top coat for the systems listed under the APPLICATION section below. Ceramic protective, textured coating providing outstanding waterproof properties.

Yield

100 ft² - 150 ft² per gallon. 13-25 wet mils per coat.

Coverage rates will vary with the texture and porosity of the surface.

Packaging

5 gallon (18.9 L) pails

Color

Gemstone Base Flex is available in ten standard colors: cocoa, gray, rose, sandstone, silk chocolate, slate, tan, terra cotta, tiffany, and white. Gemstone Base Flex is also available in tint base. Minimum order for special color tint base is 50 gallons (plus tint charge).

Shelf Life

1 year when properly stored

Storage

Store unopened containers in a clean, dry area 45° to 90°F. Protect from freezing.

Features

- Single component product
- Good hiding capability
- Breathable
- Acrylic formula
- Water-based formulation
- Waterproofing properties
- Multiple colors

Benefits

- Reduces labor costs
- Provides uniform color over new and existing concrete surfaces
- Allows substrate to breathe, can be used on grade
- Excellent bonding capability, provides flexibility
- VOC compliant, environmentally friendly, tools clean up water
- Fast cure time
- Various color options

Where to Use

APPLICATION

- 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
- Patios
- Walkways
- Balconies
- Pool decks
- Can be used as a top coat when a final clear sealer is applied over base flex

LOCATION

- Horizontal and vertical surfaces
- Interior or exterior

SUBSTRATE

- Over new or existing concrete. New concrete must be cured 28 days.

How to Apply

1. Remove all deteriorated and delaminated concrete. Substrate must be free of all oil, dirt, grease, and other contaminant's.
2. The surface should be roughened by mechanical methods such as sandblasting, waterblasting, shotblasting, or other suitable means. Do not use a method of surface preparation that will fracture the concrete. Verify the absence of microcracking or bruising in accordance with ICRI Guideline No. 03732 (profile of CSP 2-3).
3. Fill, repair, and level any damaged areas deeper than 1/8" (3 mm) before applying Gemstone Base Flex.
4. When applying as a top coat, two (2) coats may be necessary. Final clear sealer over the Flex Base when applied as a top coat is REQUIRED.

Technical Data

Composition

Gemstone Base Flex is a proprietary blend of polymer resins, graded aggregates and additives.

Typical Properties

PROPERTY	VALUE
Working time, min, At 70° F (21° C)	60
Recoat time, hrs, At 70° F (21° C)	2 – 3

Test Data

PROPERTY	RESULTS	TEST METHODS
Elcometer adhesion	100% substrate failure (0% bond loss)	ASTM D 4541
Tensile strength, psi	115	ASTM D 412
Elongation, %	350	ASTM D 412
Ultraviolet resistance	No yellowing after 1,000 cycles	ASTM D 822
Vapor permeability	6.54 US perms	ASTM E 96

Mixing

Mix mechanically with a 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 to two coats are necessary for consistent color and hide. Apply material with an airless sprayer or paint roller at the rate of 100 to 150 sq. ft. per gallon. Allow to dry thoroughly.

For Best Performance

- **DO NOT** apply coating if rain is expected within 10 hours (depending on temperature and relative humidity).
- Gemstone Base Flex must be mixed to a uniform consistency.
- Recommended ambient and substrate application temperature is 50 to 90° F (10 to 32° C).
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-969-1998) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by Gemstone personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

❖ If more than one pail is being used, box all material together for uniform color and consistency.

- **DO NOT** thin Base Flex, use as is.
- **DO NOT** apply when temperatures are below 40° F (degrees Fahrenheit) or when humidity is very high.
- **DO NOT** apply when coating will be subject to rain or heavy dew before it has had enough time to dry. (4 to 6 hours).

Apply with brush, roller, or spray. Spread uniformly. Drying time will vary depending on atmospheric conditions. Wait at least 12 hours before applying a second coat of Base Flex, if needed.

CLEAN UP: Clean all tools and spills while still wet with warm soapy water.

Health and Safety

Gemstone Base Flex

Caution

Gemstone Base Flex contains Limestone (CAS 1317-65-3), Water (CAS 7732-18-5), Titanium dioxide (CAS13463-67-7), Proprietary acrylic polymer (NJTSRN NJTS-00011-EB), Depending upon color, may also contain: Carbon black (CAS 133386-4); Quartz (CAS14808-60-7), Talc (CAS 1480796-6)

Risks

May cause skin, eye, or respiratory irritation. Ingestion may cause irritation.

Precautions

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. **DO NOT** take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, **SEEK MEDICAL ATTENTION**. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, **SEEK IMMEDIATE MEDICAL ATTENTION**.

Proposition 65

This product contains material listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

50 g/L or 0.417 lbs/gal less water and exempt solvents.

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

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Technical Service 800-969-1998



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