

PROMIX NANOCRETE BC

CEMENTITIOUS POLYMERIC TOPPING

YIELD

LAYER: 5 ft²/lb (1000 g/m²)

RATIO

12-24% Water

PACKAGING

55 lb kit

COLOR

WHITE or GRAY
Colorable with COLORMIX

SHELF LIFE

2 year when properly stored

STORAGE

Store and transport in unopened containers in a clean, dry environment at a temperature between 50°F and 90°F. Protect from freezing.

DESCRIPTION

PROMIX NANOCRETE BC is a mono component compound mix between cement, polymers and ceramic and can be applied over surfaces such as concrete slab, mortar or self-levelling screed, ceramic tiles, marble, stone etc.

FIELDS OF APPLICATION

PROMIX NANOCRETE BC is a material that moulds and refines commercial spaces, furnishings (tables, counters, shelves, etc.), reception, showrooms and residential rooms, as well as to act as cohesive element between past and present thanks to its material aspect. It also gives added value to every kind of environment, giving an urban and modern look, without forgetting the functional aspects such as high mechanical strength and ease of cleaning.

APPLICATION GUIDELINES

1. Substrate Preparation

Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, etc. should be removed to achieve a level surface prior to the application. Concrete - Should be cleaned and prepared to achieve a laitance-free and contaminant-free, open textured surface by shot blasting or equivalent mechanical means (CSP-3 to CSP-4 as per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate. Whenever "shot-blasting" is utilized, be careful to leave concrete with a uniform texture. "Over-blasting" will result in reduced coverage rates of the primer and/or subsequent topcoats. The "shot-blast" pattern may show through the last coat, known as "tracking". The compressive strength of the concrete substrate should be at least 3,500 psi (24 MPa) at 28 days and at least 215 psi (1.5 MPa) in tension at the time of application.

2. Preparation of the product

Pre-mix **NANOCRETE BC** with 12-16 % water for trowel effect floor or 16-24% for self-levelling. Mix the combined components for at least 3 minutes using a low speed drill (300 - 450 rpm) and Exomixer or Jiffy type paddle suited to the volume of the mixing container to minimize entrapped air. During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once to ensure complete mixing. **NANOCRETE BC** can be colored with **PROMIX COLORMIX**. After mixing leave the material for 5 minutes to rest before applying on the floor.

3. Application

Apply **NANOCRETE BC** with a smooth trowel, spread the compound and then pass the trowel until the achievement of the desire pattern.

SAFETY

PPE required to prevent contact with skin and eyes. Keep container closed in a cool dry place. Wash skin thoroughly with soap and water after use. Use with adequate, general and local, exhaust ventilation. In absence of adequate ventilation, use a properly fitted NIOSH respirator.

TECHNICAL DATA US

Color	WHITE/GREY	STANDARDS
Compressive strength	18000 psi	ASTM C-579
Flexural Strength	8,000 psi	ASTM C-580
Hardness	85	ASTM D-2240/Shore D Durometer
Bond Strength	>800 psi	ASTM D-4541
Impact Resistance	none superficial damages	ASTM D-4226
Flammability	Self Extinguishing A1	ASTM D-635
VOC Content	0 g/l	ASTM D-2369

WARNING: Indications given above come from the company's current knowledge and experience. They must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use the product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

PROMIX[®] reserves the right to change technical characteristics, descriptions and specifications anytime.
PRODUCT FOR PROFESSIONAL USE