

DESCRIPTION

Super-Krete® Micro-Bond™ is a cementitious, single component, ready-mixed product which is mixed with water only and applied over Super-Krete S-9300 Bond-Kote® to achieve a uniform, smooth finish. Micro-bond is available in both White and Gray. It is the perfect product to provide an ultra-smooth surface for Art Deco and concrete countertop finishes. Used for micro-toppings, Micro-Bond is not to be applied at any depth or thickness, but to fill in voids and defects in the surface prepared with Bond-Kote.

USES

Pre-Cast Concrete
Smooth Finishes Over Bond-Kote
Decorative Finishes
Walls / Floors / Ceilings
Commercial Floors
Day Spas / Labs / Cafes / Restaurants
Micro-topping Finishes
Venetian Plaster Techniques / Faux Finishing
Surface Restorations

Countertops
Art Deco Finishes
Concrete Countertops
Industrial Floors
Residential
Night Clubs
Salons
Smooth Decorative Surfaces

ADVANTAGES

Single-Component, Mixes with Water Only
Non-Reemulsifiable
Non-Toxic
Can Be Used as a Decorative Flooring
Easy Application
Squeegee or Trowel Application

Superior Bonding Capabilities
Environmentally Friendly and Safe
Highly Versatile
Simple Finishing
Textured Finishes



CSI RELATED SECTIONS

03 01 30. 61 - Resurfacing of Cast-In-Place Concrete
03 01 40. 61 - Resurfacing of Precast Concrete
03 05 00 - Concrete Finishing

03 53 00 - Concrete Topping
09 25 00 - Other Plastering
32 01 26.74 - Concrete Overlays

SURFACE PREPARATION

Before any Super-Krete products are applied over concrete, the slab must be free of sealers, any type of curing compounds and bond-breakers. Always refer to **Super-Krete Specification S-1** for surface testing, cleaning, preparation and porosity requirements prior to applying Micro-Bond to any concrete surface.

Super-Krete International, Inc. recommends that all Super-Krete applications over concrete first be treated with Pene-Krete®.

MIXING INSTRUCTIONS

Manual – For Mixing Low Volumes

Add 4 quarts of clean water to a container and add 1 (50 lb) bag of White or Gray Micro-Bond to the water while agitating with a hand drill and paddle mixer. Add additional water while mixing if needed until the desired consistency is achieved. Allow material to sit for approximately 5 minutes to allow water to saturate the fine aggregate in the mixture. Amount of water required shall be 4 to 8 quarts, and will vary depending upon ambient temperatures, and desired consistency for type of application.

Mechanical – For Large Volumes

Add desired amount of Micro-Bond units into a plaster mixer and add clean water until the desired consistency is achieved. Allow material to sit for approximately 5 minutes to allow water to saturate the fine aggregates. Add additional water as needed.



APPLICATION

Apply Bond-Kote to surface per Super-Krete Specifications prior to Micro-Bond application. Any structural repairs, crack treatments, floor repairs and deep fills should be completed prior to general resurfacing. Micro-Bond can be applied by squeegee, spray apparatus, trowel, or other appropriate tools and methods. Substrate must first be dampened with fresh water when applying Micro-Bond. Apply Micro-Bond over Bond-Kote after it has thoroughly dried. Lightly dampen the surface with water and apply Micro-Bond mixture by squeegee or standard concrete/masonry trowel in multiple applications as needed until desired smoothness or finish is reached. After the Micro-Bond has dried, the surface can be sanded with a dustless sanding machine to achieve a smooth uniform finish. Use Micro-Bond to fill all minor scratches and/or surface irregularities as well as smoothing the surface. Micro-Bond is not designed to be built-up on the surface. It is to be used to fill voids only, without build-up. Micro-Bond can also be applied by sprayer apparatus to vertical and overhead surfaces, it can be trowel-finished for textures, or sanded as a smooth surface prior to the application of paints, stains and/or sealers.

Coverage Rates

Micro-Bond will cover approximately 700 sf per 50 lb. bag when applied by squeegee. Trowel applications typically yields 350 sf per 50 lb. unit.

**Coverage rates will vary, these are approximations only. Actual coverage will vary due to substrate conditions, weather, surface porosity and method of application.*

Cure Time	72 hours
Shelf Life	5 Years when properly stored. Unopened and sealed
Storage	Store in a cool, dry place. Keep from moisture.

Tools Required

- S-18000 Squeegee
- 3 gal. & 2 qt. sprayers
- ½" drill with mixing paddle attachment
- 5 gallon pails or 55 gallon drum
- Trowel(s)

Packaging 50 lb. bag / 50 per pallet

Appearance Gray or White in dry, powdered form

Odor None

Specific Gravity 3.15

Percent Volatiles by Volume 0

CAUTION

Keep away from children. Do not take internally. Always use safety gloves, appropriate eye protection, and appropriate OSHA/NIOSH approved respirator in areas with poor ventilation and when exposed to spray mist both indoors and outdoors. If ingested, seek medical attention immediately.

LIMITATIONS

Super-Krete products are to be applied only when surface temperatures are above 55° F and rising and not to exceed 100° F. Super-Krete products are not to be applied when precipitation is expected within 24 hours following completion of application. Do not allow materials to freeze. Each Super-Krete product acts as an inherent part of a proven system. Super-Krete products are professional, contractor grade products. Training in the use of these products is available. Consult Super-Krete for information and assistance locating approved contractors in your area or for training class dates. **NOTE: Super-Krete International, Inc. believes this information to be true to the best of our knowledge and products are of the highest quality and uniform within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied is made as to the effect of such use and no liability is assumed directly or indirectly, from their use. Buyers and users are encouraged to conduct their own test prior to application.**

WARRANTY

Super-Krete products are warranted only when applied by Super-Krete Certified Applicators in accordance with Super-Krete specifications. No warranty applies to products applied over concrete substrates with moisture vapor transmissions exceeding (3 lbs.)/(1,000 sf) of surface area. Super-Krete provides a 5 year warranty when products are applied by Certified applicators. To apply for warranty, refer to the Super-Krete Limited Warranty and form filing at www.super-krete.com.

