

## 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

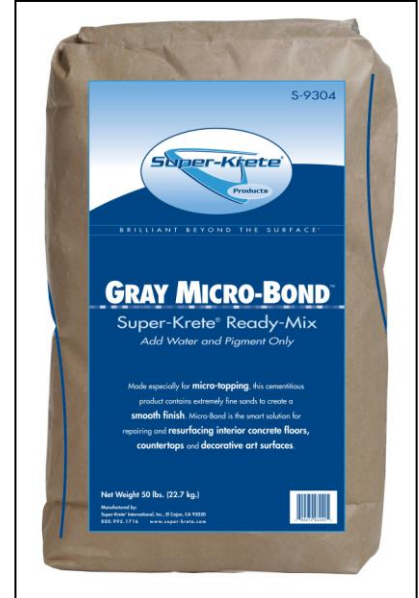
Pre-Cast Concrete  
Smooth Finishes Over Bond-Kote  
Decorative Finishes  
Walls / Floors / Ceilings  
Commercial Floors  
Day Spas / Labs / Cafes / Restaurants  
Micro-topping Finishes  
Venetian Plaster Techniques / Faux Finishing  
Surface Restorations

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 the Super-Krete Products Surface Preparation Guide for surface testing, cleaning, preparation and porosity requirements prior to application.

**Arizona Polymer Flooring recommends that all Super-Krete cementitious overlay product 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.

Super-Krete Products is a Division of Arizona Polymer Flooring, Inc.  
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S-9304 Micro-Bond™

051916



# S-9304 Micro-Bond™

TECHNICAL DATA SHEET

## 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.

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THE CONCRETE OVERLAY EXPERTS™

**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 a Super-Krete Products representative for information and assistance locating approved contractors in your area or for training class dates.

**MOISTURE VAPOR EMISSIONS PRECAUTIONS:**

All concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride testing in compliance with ASTM F1869 and relative humidity probe testing to determine if excessive levels of vapor emissions are present before applying any coatings. Arizona Polymer Flooring offers **Super-Krete® Pene-Krete®** for cementitious overlay products and **VaporSolve® Moisture Remediation** systems for resinous floor coatings. Consult our technical service department. Arizona Polymer Flooring and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

**WARRANTY:**

Arizona Polymer Flooring guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

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