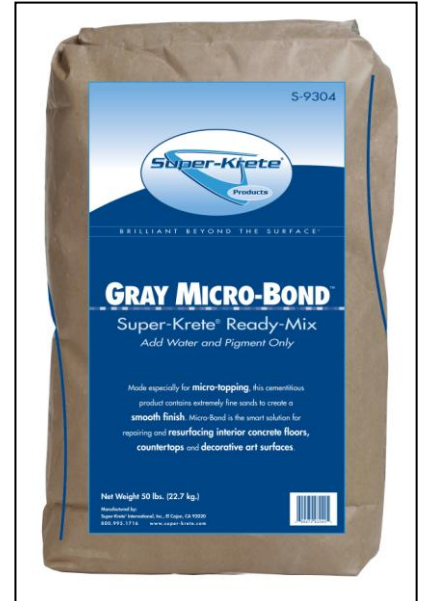


## DESCRIPTION

S-9304 Micro-Bond™ is a cementitious, single-component, ready-mixed product which is mixed with water only and applied over S-9300 Bond-Kote® to achieve a uniform, smooth finish. This product is available in two colors; S-9304 Micro-Bond Gray and S-9306 Micro-Bond White. It is the perfect product to provide an ultra-smooth surface for art deco and concrete counter-top finishes. Used for micro-toppings, S-9304 Micro-Bond is not to be applied at any depth or thickness, but to fill voids and defects in the surface prepared with S-9300 Bond-Kote.

## USES

Pre-Cast Concrete	Countertops
Smooth Finishes Over Bond-Kote	Art Deco Finishes
Decorative Finishes	Concrete Countertops
Walls / Floors / Ceilings	Industrial Floors
Commercial Floors	Residential
Day Spas / Labs / Cafes / Restaurants	Night Clubs
Micro-topping Finishes	Salons
Venetian Plaster Techniques / Faux Finishing	Smooth Decorative Surfaces
Surface Restorations	



## ADVANTAGES

Single-component, mixes with water only	Superior bonding capabilities
Non-reemulsifiable	Environmentally friendly and safe
Non-toxic	Highly versatile
Can be used as a decorative flooring product	Simple finishing
Easy application	Textured finishes
Squeegee or trowel application	

## CSI RELATED SECTIONS

03 01 30. 61 - Resurfacing of Cast-In-Place Concrete	03 53 00 - Concrete Topping
03 01 40. 61 - Resurfacing of Precast Concrete	09 25 00 - Other Plastering
03 05 00 - Concrete Finishing	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 S-1300 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 S-9304 Micro-Bond Gray or S-9306 Micro-Bond White 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 aggregate in the mixture. The amount of water required will 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 S-9304 Micro-Bond Gray or S-9306 Micro-Bond White 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 desired water as needed.

Super-Krete® Products is a Division of Arizona Polymer Flooring, Inc.

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S-9304 Micro-Bond™ 032417



# S-9304 Micro-Bond™

TECHNICAL DATA SHEET

## APPLICATION

Apply S-9300 Bond-Kote Gray or S-9302 Bond-Kote White to surface prior to S-9304 Micro-Bond Gray or S-9306 Micro-Bond White application. Any structural repairs, crack treatments, floor repairs and deep fills should be completed prior to general resurfacing. This product can be applied by squeegee, spray apparatus, trowel, or other appropriate tools and methods. Substrate must first be dampened with fresh water. Apply S-9304 Micro-Bond Gray or S-9306 Micro-Bond White over S-9300 Bond-Kote after it has thoroughly dried. Lightly dampen the surface with water and apply product mixture by squeegee or standard concrete/masonry trowel in multiple applications as needed until desired smoothness or finish is reached. After the product has dried, the surface can be sanded with a dustless sanding machine to achieve a smooth, uniform finish. This product is used to fill all minor scratches and/or surface irregularities as well as smoothing the surface. It 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

S-9304 Micro-Bond Gray and S-9306 Micro-Bond White will cover approximately 700 sq. ft. per 50 lb. bag when applied by squeegee. Trowel applications typically yields 350 sq. ft. 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.*

<b>Cure Time</b>	72 hours
<b>Shelf Life</b>	5 Years when properly stored. Unopened and sealed
<b>Storage</b>	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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**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, or relative humidity probe testing in compliance with ASTM-F2170, to determine if excessive levels of vapor emissions are present before applying any coatings. Arizona Polymer Flooring offers **S-1300 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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