

## DESCRIPTION

S-100 S.B.A. (Superior Bonding Agent) is a multipurpose product, formulated for use as a bonding agent when pouring new concrete over existing concrete, and also as an admixture for all types of cementitious structural repairs and resurfacing projects. When S-100 S.B.A. is mixed with common Portland cement and various sized aggregates, it will create a tenacious bond to any structurally sound cementitious substrate. S-100 S.B.A. is used for structural repairs as well as thin-set resurfacing. S-100 S.B.A. gives Portland cement unique properties that are unattainable by any other bonding agent, admixture or Portland cement modifier. When added to Portland cement and sand (in accordance with Super-Krete Product specifications, S-100 S.B.A. provides superior adhesion and flexibility.

## USES

Concrete Repairs  
Bonding Agent  
Structural Repairs  
Vertical / Overhead  
Plastering  
Interior & Exterior

Swimming Pool Repairs  
Bridges  
Dams  
Primer Coat  
Re-grading  
Re-leveling

## ADVANTAGES

Co-adhesive Bonding  
Multi-Purpose  
Concrete Additive

Ready-Mixed  
Easy to Use

## CSI RELATED SECTIONS

03 01 30.61 – Resurfacing of Cast-In-Place Concrete  
03 01 40.61 – Resurfacing of Precast Concrete  
03 05 00.00 – Common Work Results for Concrete  
32 01 19.62 – Patching of Rigid Paving  
32 01 26.74 – Concrete Overlays  
32 01 29.61 – Partial Depth Patching of Rigid Paving  
32 18 00.00 – Athletic and Recreational Surfacing



## SURFACE PREPARATION

Before any Super-Krete products are applied over concrete, the slab must be free of sealers, 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 applying S.B.A. to any concrete surface.

## MIXING

**For Use as a Bonding Agent:** Mix well using a drill and paddle mixer attachment, then prime surface by sprayer, brush, or broom.

**For Use as an Admixture:** Mix well using a drill and paddle mixer attachment, then add desired amount of S-100 S.B.A. to cement and sand mixture in place of water (stone aggregate may be used depending on the depth of the patch or fill required).

## APPLICATION

When using S-100 S.B.A. to bond cementitious products such as a concrete overlays, thoroughly mix S-100 S.B.A. and spray onto the surface using a hand-held pump-type sprayer. S-100 S.B.A. must be wet during the installation of the overlay material to ensure maximum adhesion. Do not let S-100 S.B.A. dry during the overlay installation, as it may create a bond-breaker. S-100 S.B.A. should always be in a "wet" stage when bonding any cementitious mixtures. When using S-100 S.B.A. as a primer for paints and sealers, it must be completely dry before application.

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

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S-100 S.B.A.™

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<b>Coverage Rate</b> *The coverage rate of S-100 S.B.A is 250-300 gallons per square foot. Coverage rates may vary depending upon the mixing ratio used, application equipment, surface porosity and substrate conditions. A test application is recommended, using the desired mixing ratio to determine the coverage rate for your project.	<b>Shelf Life</b> 5 years when properly stored, sealed and unopened.
<b>Storage</b> Store in a cool, dry place. Keep from moisture and keep from freezing.	<b>Appearance</b> Milky white liquid
<b>Tools Required</b> Hand-pump sprayer Soft-bristled broom Brush Pail Drill with paddle mixer Trowels	<b>Odor</b> None
	<b>V.O.C. Content</b> < 100 g/liter
	<b>Packaging</b> 5 gallon pail / 36 per pallet 55 gallon drums / 4 per pallet
	<b>CAUTION</b> <i>Keep away from children. Do not take internally. Always use safety gloves, the 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.</i>

**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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