S-1800 Super-Stamp®

TECHNICAL DATA SHEET

DESCRIPTION

S-1800 Super-Stamp® is a single-component, cementitious product designed to create the look of natural stone, and any other desirable textures over existing concrete. S-1800 Super-Stamp is a ready-mix proprietary blend of a specially modified water-resistant, acrylic co-polymer resin mixed with various sized aggregates formulated to maintain a 1/4" thick profile that can be stamped or textured using specially designed tools and templates. S-1800 Super-Stamp eliminates the need to remove and replace concrete whether new or old while beautifying and increasing curb appeal. S-1800 Super-Stamp is a revolutionary 1/4" overlay product because other 1/4" overlay products require a "wet-on-wet" application. S-1800 Super-Stamp does not require the use of a bond coat primer. S-9500 Color Stain™ can be applied over the finished stamped product to create a natural look that resembles true stone, or a custom colored appearance. For more information on our 1/4" Stampable Overlay System, please refer to the ***1/4" Stampable Overlay System Datasheet***. This product is available in gray, *(S-1800 Super-Stamp Gray)* or white, *(S-1801 Super-Stamp White)*. This product is designed to be part of a system and is not intended to be used alone.

USES

Super-Stamp is a versatile, easy to use material with a variety of uses in residential, commercial and industrial applications.

Interior / Exterior Applications
Concrete Patching / Repairing / Resurfacing
Horizontal / Vertical Applications
Pedestrian / Vehicular Traffic Surfaces
Planter Curbs / Walls
Driveways
Concrete Restoration
Theme Parks
Hotels and Leisure Areas
Anywhere a Textured, Decorative Surface is Desired!
Commercial / Residential Use
Spalled / Deteriorated Conditions
Slip-resistant Surfaces
Sidewalks / Curbs
Pool Decks
Masonry Walls
Restaurants
Malls
Leveling Low Spots / Regrading

ADVANTAGES

Ready-mix formula - just add water
Requires no bonding agent or primer coat
Resistant to extreme temperature conditions
Non-reemulsifiable
Non-toxic
Can eliminate the need to replace concrete
Exceptional pot life
OSHA compliant, contains no ingredients required to be listed by OSHA 1910 1200
Superior bonding capabilities
Excellent freeze/thaw resistance
Water resistant
Environmentally friendly and safe
Highly versatile
Easy to use
VOC compliant

CSI RELATED SECTIONS

03 35 00 - Concrete Finishing
03 53 00 - Concrete Topping
04 05 00 - Common Work Results for Masonry
09 61 13 - Slip Resistant Flooring
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 applying Liquid Concentrate mixtures to any surface. Refer to Super-Krete Liquid Concentrate Mixing Ratio Chart.

Arizona Polymer Flooring recommends that all Super-Krete cementitious overlay product applications, over concrete, first be treated with Pene-Krete.

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

Manual - For Mixing Low Volumes
Add 4 quarts of clean water to a container and add 1 (50lb.) bag of S-1800 Super Stamp Gray or S-1801 Super-Stamp 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 fine aggregate in the mixture. The amount of water required will be 4 to 6 quarts, and will vary depending upon ambient temperatures.

Mechanical - For Large Volumes
Add desired amount of S-1800 Super-Stamp Gray or S-1801 Super-Stamp White into a plastic 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 if needed.

Note: For a dryer mix, add less water or more product. For a wetter mix, add more water or less product. The proper consistency is based upon the applicator's choice of application. For vertical surfaces, a dryer mix is preferable. When applying at a 1/4", add the required amount of water to achieve a pancake batter consistency. Proper consistency is required for mixture to maintain a 1/4" profile. Do not over-dilute product with water. Over-dilution is visible when sand fines begin to separate from the mix, causing them to settle to the bottom.

APPLICATION

Determine in advance whether S-1800 Super-Stamp Gray or S-1801 Super-Stamp White will be used. Application of each will be the same, however, the color used will determine the outcome of he finished appearance. When using vibrant colors, it is recommended to use S-1801 Super-Stamp White. If you are using darker colors, use S-1800 Super-Stamp Gray.

When texturing product with a stamp or texture tools, gauge to a 1/4" thickness using a gauge rake (such as S-19000 Gauge Rake). Mix product to the desired consistency and dampen the surface to be coated. Pour product mix onto the surface, spreading from one side of the working area across to the other in a 6"-8" wide pour. Spread immediately with gauge rake (ensure that cams are set to 1/4" depth) and allow product to set so that it is firm yet pliable. Do not allow to dry out completely before stamping. Remove gauge marks with the S-16000 Flex Smoother™. After smoothing, spray S-1710 Liquid Release Agent™ (do not use any other type of release) over the surface and onto the texture mats being used (refer to S-1710 Liquid Release Datasheet for more information). The surface is ready to be stamped or textured when it is dry to the touch but impressionable.

When dry, detail the surface by removing any high spots. Re-establish all saw cuts and expansion joints, especially if they were not protected during the resurfacing process. Clean surface thoroughly using S-200 Super-Scrub™ and rinse with clean water. Application of S-9500 Color Stain™ and sealing may begin when dry.

GENERAL INFORMATION

S-1800 Super-Stamp Gray and S-1801 Super-Stamp White are ready-mixed products that require the addition of water only when mixing. No primer, bonding agents or cementitious underlayments are required. This is a high-stength product that is very resilient and durable. It has strict dosing measures to ensure product consistency. Protect surrounding areas from over-spray or splashes.

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Coverage Rates 25 sf / 50 lb. bag or pail at ¼" thickness.

**Coverage rates will vary, this is an approximation only. Actual coverage will vary due to substrate conditions and surface porosity. It will also depend upon the method of application such as gauge rake or trowel application.*

Shelf Life 5 Years when properly stored.

Storage Store in a cool, dry place. Keep from moisture.

Tools Required

S-19000 Gauge Rake
Trowel(s)
S-16000 Flex Smoother
Hudson®-type 3 gal. & 2 qt. sprayers
Textured rubber mats or stamping tools
½" drill with mixing paddle attachment
5 gallon pails or cut 55 gallon drum

Cure Time 72 hours

Packaging 50 lb. bags / 50 per pallet

Appearance Gray or White in dry, powdered form

Odor None

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 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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