

# SUPER STONE POLYMER



Super Stone® Liquid Concrete Polymer concentrate is a 55% solids copolymer that can increase the abrasion resistance and assist in curing concrete strength. Super Stone Polymer is for professional use to provide excellent adhesion to a wide variety of concrete restoration. Use with Super Surface to resurface your existing concrete and get the strength needed for a strong durable surface. Super Stone Polymer is also a great bond coat to use under all your resurfacing jobs.

## RECOMMENDED USAGE

- Concrete Restoration
- Overlay Systems
- Bond Coat

## ADVANTAGES

- Exceptional Bondability
- Superior Strength
- Lasting Durability
- Strong Abrasion Resistance
- Flexible/Breathable

## STORAGE/SHELF LIFE

When stored in the original, tightly closed container, preventing the accumulation of water, dirt or other contaminants, the shelf life is two years from the date of purchase. Store in cool ventilated place. Protect material from direct sunlight.

## APPLICATION

### MIXING INSTRUCTIONS (Tables A through F)

Mix Super Stone Polymer with water: Using 1/2" mixing drill in a 5 gallon pail or a mortar mixer. A 1 gallon measuring container/bucket should be used to measure the correct amount of Super Stone Polymer and water given in the coverage and mixing tables provided. It is advised to lay a tarp or plastic under the mixer before beginning in order to keep the area clean.

### ADD TO CEMENT

Next using a 1 gallon measuring container/bucket for the 5 gallon size mix or use a 5 gallon bucket for the mortar mix size. NOTE: A 94lb. Bag of cement is equivalent to 10 gallons.

### ADDITION OF SAND

After you have added Super Stone Polymer, water and cement and they have been mixed together for approximately 1 minute, slowly add the sand. Do not overfill measuring containers as this will result in too much sand added to the mixture. Use a 1 gallon measuring container for the 5 gallon size. When using the mortar mix size, fill a 5 gallon bucket one inch from the top of the bucket to measure correctly. One 100 lb. bag should equal approximately 10 gallons of sand. FYI: Concrete sand can be substituted for silica in applications of 1/4" and over. In most areas, a yard of concrete sand (equivalent to 200 gallons of sand).

### ADDITION OF INTEGRAL COLOR PIGMENTS

Slowly add the desired super stone integral color pigment using a measuring container with one ounce of measuring increments until the color matches as closely as possible to the super stone

integral color chart. Add 1 ounce of pigment per 5 gallon size mix at a time. Motor mix size add 1 cup at a time. In order to maintain the same desired color with every mix it is important that you keep track of the exact amount of pigment that was used in the first mix.

### ADJUSTMENTS TO MIX

If mix seems too wet it can be made dryer by adding more cement and sand at a 1 part cement to 2 parts sand rations. If the mix seems too dry it can be made wetter by adding more polymer and water at a ration on the mixing table used for your application.

## COVERAGE & MIXING TABLES A-F

**Table A: Bond Coat/ Squeegee Mix**

Super Stone Polymer	Coverage Per Gallon	Clean Water	Portland Cement I/II	Clean /Dry Silica Sand	Grit Size	Total Volume	Condition of Surface	Thickness
1 Gallon	400 SQFT	1 Gallons	2 Gallons	2 Gallons	#60-140	4 Gallons	Semi-Smooth	1/64"
1 Gallon	200 SQFT	1 Gallons	2 Gallons	2 Gallons	#7	4 Gallons	Semi-Rough	1/32"
1 Gallon	100 SQFT	1 Gallons	2 Gallons	2-4 Gallons	#30-65	4/5 Gallons	Rough	1/16"

APPLICATION: A 24" or wider squeegee is recommended. A thicker mix may be created by adding an additional 2 parts of sand to the cement amount (2 gal. cement, 4 gal. sand) This mixture better fills rough surfaces than the 1 to 1 ration. This mixture may also be troweled onto the surface.

**Table B: Broom Finish/Texture Coat Mix**

Super Stone Polymer	Coverage Per Gallon	Clean Water	Portland Cement I/II	Clean /Dry Silica Sand	Grit Size	Total Volume	Finish Texture	Thickness
1 Gallon	300 SQFT	1 Gallons	2 Gallons	2 Gallons	#7	4 Gallons	Fine	1/64"
1 Gallon	200 SQFT	2 Gallons	3 Gallons	3 Gallons	#30-65	4 Gallons	Course	1/32"
1 Gallon	150 SQFT	2 Gallons	3 Gallons	4-6 Gallons	#25-70	4/5 Gallons	Hgwy/Bridge	1/16"

APPLICATION: Use a fine, medium or course broom. Use a course broom and notched squeegee for a Highway/Bridge finish. To increase durability, you may replace 30% of the #25-70 Silica Sand with #30 Silicon Carbide on Highway and Bridge Decks.

**Table C: Grooved Pattern/Texture Coat Mix**

Super Stone Polymer	Coverage Per Gallon	Clean Water	Portland Cement I/II	Clean /Dry Silica Sand	Grit Size	Total Volume	Finish Texture	Thickness
1 Gallon	100 SQFT	2 Gallons	3 Gallons	6-7.5 Gallons	#20-30	7.5 Gallons	Grooved	1/8"
1 Gallon	50 SQFT	2 Gallons	3 Gallons	6-7.5 Gallons	#20-30	7.5 Gallons	Grooved	1/4"

APPLICATION: Groove Rack. You may replace 25-50% of the sand on Highways and Bridge Decks with #20 Silicon Carbide for increased longevity and strength. A #20 or #30 grit Silicon Carbide Granule may be broadcasted on wet Super Surface Polymer Concrete.

**Table D: Swirl Pattern/Texture Coat Mix**

Super Stone Polymer	Coverage Per Gallon	Clean Water	Portland Cement I/II	Clean /Dry Silica Sand	Grit Size	Total Volume	Finish Texture	Thickness
1 Gallon	250 SQFT	2 Gallons	3 Gallons	6 Gallons	#30-65	7.5 Gallons	Swirl	1/16"

APPLICATION: A 12" Texture Brush or 24" Broom Application. Hint: A wallpapering texture brush creates an attractive finish for step applications.

**Table E: Spray Texture/Texture Coat Mix**

Super Stone Polymer	Coverage Per Gallon	Clean Water	Portland Cement I/II	Clean /Dry Silica Sand	Grit Size	Total Volume	Finish Texture	Thickness
1 Gallon	300 SQFT	2 Gallons	3 Gallons	3-6 Gallons	#60-140	6-7.5 Gallons	Fine-Medium	1/32" - 1/16"

APPLICATION: Hopper Gun Spray Unit/Compressor.

**Table F: Overlayments/Stamp Mix**

Super Stone Polymer	Coverage Per Gallon	Clean Water	Portland Cement I/II	Clean /Dry Silica Sand	Grit Size	Total Volume	Finish Texture	Thickness
1 Gallon	30-40 SQFT	2 Gallons	3 Gallons	9 Gallons	#30-45	8-10 Gallons	Stamp	1/4" – 3/8"
1 Gallon	30 SQFT	3 Gallons	4 Gallons	12 Gallons	#30-45	12-14 Gallons	Stamp	1/2"

# ADDITIONAL APPLICATIONS

## MIXING INSTRUCTIONS FOR BAG MIX (Table G & H)

Mix super stone polymer and water, then slowly add bag mix. You may add more or less of the bag mix to the polymer and water for desired consistency.

### APPLICATION

A bond coat/squeegee mix must be put down directly in front of stamp mix. Do not allow bond coat/squeegee mix to dry before stamp mix is spread out on top of it. A gauge rake is used to lay out stamp mix. The rake can be adjusted for desired thickness. A Fresno trowel is then used to smooth the stamp mix. When the stamp mix is dry enough, spray the liquid release on the surface area to be stamped.

Note: stamp/spray texture mix is available in all Color Hardener colors. See Super Stone color chart. Custom colors made upon request. Gauge Rake, Liquid Release, Bond Coat/Squeegee Bag Mix is available for your convenience through Super Stone, Inc.

**Table G: Bond Coat/ Squeegee Bag Mix**

Super Stone Polymer	Coverage Per Mix	Clean Water	Bag Mix
1 Gallon	300 SQFT	1 Gallons	1-50 lb. Bag

**Table H: Stamp/Spray Mix**

Super Stone Polymer	Coverage Per Mix	Clean Water	Bag Mix
1 Gallon	50 SQFT	2 Gallons	2-50 lb. Bag

## ROCK APPLICATIONS

1. When mixing in rock for applications that are ½ inch or deeper, follow these mixing instructions:
2. Combine Super Stone Polymer and water together in a separate container in the proportion given on the mixing chart. For smaller batches, substitute cup, pint or quart for gallon.
3. Pour ½ of the polymer and water mixture into a concrete mixer or your mixing container.
4. Start the concrete mixer or use the wheelbarrow and shovel method.
5. Add all of the cement shown on the mixing chart (or if making a smaller batch, according to the standard unit of measurement you selected of the polymer, water and cement.)
6. Add more of the Polymer and water mix as needed to achieve the consistency or slump desired.
7. A bond coat/squeegee mix must be put down directly in front of all patching and leveling mixes.

**Patch and Leveling Mix (for ½" and deeper applications)**

Super Stone Polymer	Coverage Per Gallon	Clean Water	Portland Cement I/II	Clean /Dry Silica Sand	Grit Size	Total Volume	Rock Size	Rock Amount	Thick-ness
1 Gallon	43 SQFT	3 Gallons	4 Gallons	8 Gallons	#30-45	13.5 Gallons	3/8"	8 Gallons	1/2"
1 Gallon	28 SQFT	3 Gallons	4 Gallons	8 Gallons	#30-45	13.5 Gallons	3/8"	8 Gallons	3/4"
1 Gallon	27 SQFT	4 Gallons	5 Gallons	10 Gallons	#30-45	17 Gallons	3/8"	10 Gallons	1
1 Gallon	22 SQFT	4 Gallons	5 Gallons	10 Gallons	#30-45	17 Gallons	3/8"	10 Gallons	1 ¼"
1 Gallon	26 SQFT	6 Gallons	7 Gallons	14 Gallons	#30-45	24 Gallons	3/8-1/2"	14 Gallons	1 ½"
1 Gallon	21 SQFT	6 Gallons	7 Gallons	14 Gallons	#30-45	24 Gallons	3/8-1/2"	14 Gallons	1 ¾"
1 Gallon	30 SQFT	10 Gallons	11 Gallons	22 Gallons	#30-45	38 Gallons	3/8-1/2"	22 Gallons	2"

## LIMITATIONS

- Is intended for use on stable non-moving concrete.
- Should not be installed on areas subject to steel wheel traffic, water immersion, hydrostatic pressure, or harsh chemicals.
- Installation should not be attempted when ambient and surface temperatures are below 50°F or above 110°F.

## SAFETY PRECAUTIONS

Avoid Contact with eyes and skin. Ensure adequate ventilation. First Aid: **Eyes**-- In case of contact, flush immediately with water for at least 15 minutes. If irritation develops, seek medical attention. **Inhalation**-- If affected, remove to fresh air. Assist in breathing if necessary. **Skin**--Immediately remove contaminated clothing and shoes. Launder clothing before reuse. Seek medical attention if symptoms of irritation or burns occur. **Ingestion**--Do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious or convulsing person. If person is conscious, rinse out the mouth with water and give plenty of water to drink. Get medical attention immediately.

***Limited Warranty: Since no control is exercised over product use, Super Stone® only warrants that this product is of consistent quality within manufacturing tolerances. Super Stone solely and expressly warrants that this product shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of the portion of the material proved to be defective and this shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. NO OTHER ORAL OR WRITTEN REPRESENTATION OR STATEMENT OF ANY KIND, EXPRESSED OR IMPLIED, NOW OR HEREAFTER MADE IS AUTHORIZED OR WARRANTED BY SUPER STONE, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Super Stone will not be liable for special, incidental or consequential damages, including for delays or lost profits. Any installation of Super Stone products which fails to conform with such installation information or instructions shall void this warranty. Buyer shall be solely responsible for determining the suitability of Super Stone's products for the Buyer's intended purposes.***

For Professional Use

**DANGER!**

KEEP OUT OF THE REACH OF CHILDREN.

