



OVERVIEW

SASE *All-Spall 3* is a rapid set, high strength low viscosity concrete repair material designed to repair spalled concrete, cracked concrete, and for filling pin holes and small surface defect treatment on concrete floors before polishing. This two part, 1:1 system is 100% solids can also be used for rebuilding and repairing broken control joints, voids under concrete or tile, as well as injection into cracks for structural repair.

APPLICATIONS

- Fill pin holes and small surface defects before polishing
- Rebuilding control joints
- Traffic area spalls & crack repairs
- Structural Crack Injection
- Floor repair
- Stops additional damage
- Fill & repair spall before coating
- Used to "knit" cracked slabs
- Fill voids under concrete or tile

PERFORMANCE

- 100% Solids
- Meets USDA and FDA Requirements
- Meets the USGBC's LEED® requirement of IEQ Credit 4.1
- Cures from -20° F to 130° F.
- "Drive-Over" in 45 minutes
- Produces High Strength Quickly
- Self-leveling
- Self Priming
- Fast initial set; rapid gain to ultimate strengths.
- Color matching to almost any color
- Separate color tint picks for inventory control
- Can be mixed with dry aggregate

PHYSICAL PROPERTIES

Viscosity (Mixed)	60 cPs
Hardness, durometer (ASTM D2240)	75 to 80D
Tensile Strength, PSI (ASTM D412)	4,600 psi
Elongation % (ASTM D412)	10%
Compressive Strength (neat)	6,500 psi
(ASTM D695-15) (with sand)	6,000 psi
Bond Strength (ASTM 882-99)	3450 psi
Adhesion to Concrete (ASTM D7234)	>400 psi

APPLICATION RECOMMENDATIONS

Spalls/Cracks: Clean the area of debris and contaminants that would act to debond the *SASE All-Spall 3*; oils, loose materials, dirt, rubber etc. Expose clean rough concrete for best results. If using a saw to cut concrete and clean the crack, remove all the dust from the cut out area. Cut a vertical edge on large spalls, minimum 1/4" deep around perimeter of spall. Make sure the area is dry. Vacuum or blow off cement dust. Where the crack is deep, apply product to the bottom of the crack and work up in layers. First apply product then sand into the product, then more product & sand. Repeat the steps in layers until reaching the finished grade.

FILLING PIN HOLES

Repair larger spalls and cracks first as per above. Grind floor with initial metal bond polishing pads, thoroughly clean the floor and ensure it is dry, mix small batches of equal amounts of "A" and "B", pour onto floor, spread with smoother trowels. Allow to dry for approximately 45 minutes, remove with metal bond polishing pads. Can also be pumped in bulk with the SC Poly Pump 10.

FILLER

Sand filler should have minimal moisture content. Any grit size, including pea gravel, most common sizes - 12 to 60. *SASE All-Spall 3* can be used to bond damaged slabs together. Not intended for use where substrate movement is required. ***SASE All-Spall 3 is slightly moisture sensitive.***

GRINDING TO FINISH GRADE

Allow the *SASE All-Spall 3* to set about 45 minutes or until hard. For best results use a flexible grinding wheel. Grind smooth with a 7-inch wheel. Scraping or cutting may also be done with a sharp razor blade cutter as soon as product is set yet not completely hard. Repair is now ready for traffic.



STORAGE/SHELF LIFE

Recommended storage temperature is between 75°F to 85°F. Do not store below 45°F or above 85°F. Shelf Life is one year in original unopened containers.

Keep from freezing

POT LIFE

C-881 72° - 100 Grams
Approx. 5 minutes average

PACKAGING

2 Gallon and 10 Gallon Kits

Must consider waste. For random cracks, guess-timate the average size. Crack depth is unknown causing more or less use of the product. For bulk repairs, calculate the cubic inches required. 1 gallon = 231 cubic inches. 1 part sand to 1 part product typically doubles the amount.

COVERAGE

Typical Coverage: 500 - 1,000 sq/ft/gal

Coverage can fluctuate significantly depending on factors such as floor condition, application method, and surface profile and porosity.

SAFETY

SDS are included with all shipments and product labels include all safety warnings. All personnel should read and understand the Safety Data Sheets.

DISPOSAL AND CLEAN UP

Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

CHEMICAL RESISTANCE

Test Procedure; ASTM D-1308 @72°F

R=Recommend

RC=Recommend Conditional =some swelling or discoloration

N=Not Recommend

1=Some discoloration only

<u>Chemical</u>	<u>Result</u>
Acetic Acid 10 %	R
Acetone	RC
Battery Acid (Sulfuric Acid)	RC
Brake fluid	R
Chlorine (2,000 ppm in water)	R
Citric Acid	R
Gasoline	R
Hydraulic Oil	R-1
Methanol (5%) Gasoline	RC
Motor Oil	R-1
Toluene	RC
Vinegar	R
Water	R
Xylene	R

WARRANTY

SASE warrants its products to be free of manufacturing defects and that they will meet SASE's current published physical properties when applied in accordance with SASE's directions and tested in accordance with ASTM and SASE's standards. There are no other warranties by SASE of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. SASE shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever.