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PRODUCT DATA /
INSTRUCTION SHEET

SSP-500

Solid Solution Products, Inc.

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PRODUCT DESCRIPTION

SSP-500 is a specially formulated ultra-low viscosity polymer to be combined with selected aggregates for a **high strength/tough rapid** concrete repair material. The low viscosity polymer is quickly absorbed (Self-Priming) into the surface creating an interlocking bond with the host concrete surface. The three parts polymer/aggregate system rapidly rebuilds deeply spalled/damaged concrete, broken floor joints and large & small cracks.

Note: Can be used **Neat** without aggregate for small or shallow repairs.

FEATURES

REBUILDING FLOOR JOINTS EDGE SHALLOW & DEEP SPALLS

POP-OUTS/BOLT HOLES GRADE MATCHING

REBOUNDING DELAMINATED FLOORS

SMALL & LARGE CRACKS FREEZER THRESHOLD REPAIR

APPLICATIONS

USER FRIENDLY WITH THREE SET SPEEDS
FAST-FREEZER/MEDIUM-CARTRIDGE/SLOW-BULK

VERY HIGH IMPACT RESISTANCE WITH STAND HEAVEY FLOOR GRINDING APPLIED IN VERY COLD APPLICATIONS

BUILDS HIGH STRENGTH BOND IN MINUTES
NON-BRITTLE NOT LIKE EPOXY

CAN BE FEATHEREDGED

SAVES MAN HOURS SAVES DOWN-TIME

HIGHLY FUEL & CHEMICAL RESISTANCE LONG TERM DURABILITY

MEETS USDA REQUIREMENTS

PROVIDES SMOOTH WORKING SURFACE FOR FORK LIFTS

MINIMUM SURFACE PREPARATION

GENERAL PHYSICAL CHARACTERISTICS

Solids:	100%
Shelf Life	1 year
Hardness ASTM D2240	Shore D 70
Compressive w/ Aggregate	5000+ PSI
Tensile ASTM D412	4480, filled
Bond ASTM 882-99	1900 PSI
Mix Ratio	1:1
Elongation ASTM D124	7%
Viscosity	<10
Temperature Range	-30° F to 120°F
VOC Mixed	0.0 g/l

PREPARATION

ALL SURFACES MUST BE CLEAN AND DRY. Cracks & spalls should be free of dirt, oils, dust, latents and loose materials. A dry diamond blade or twisted wire wheel attached to an electric hand grinder is recommended for preparing cracks and creating a clean surface for bonding. Spalls, chip back to sound concrete with a chisel or roto-hammer. SQUARE CUTTING OF THE REPAIR AREA IS NOT NECESSARY.

APPLICATION

2 parts liquid (1 A & 1 B) can be added to 4 to 6 part sand. The amount of sand depends on the fineness of sand (Fine sand less) (Corse sand more). For deep repair pea gravel can be added up to 4 parts. When doing a repair keep the batch wet (not dry/stiff) so it is self-priming. You can always sprinkle sand over the repair if it puddles.

BASIC MIXING TOOLS

- 1) Several medium size mixing bucket/cups (10)
- 2) Several measuring cups (6)
- 3) Smaller mixing bucket/cups (10)
- 4) Margin trowel (3)
- 5) Small drill mixer for mixing color pigment into sand

MATERIALS

- 1) Sand several sizes fine to coarse
- 2) Pea gravel for large repairs
- 3) Color pigment (dry) for matching concrete color
- 4) Special sand/aggregate for matching concrete
- 5) SSP200 – Non-pigment for matching special colors and for outdoor uses

MIXING (Start with small batches).

- 1) Measure and pour 3 parts sand into mixing bucket and hold 1 part to be added once liquid is in. add more sand if to wet. Note: When using color pigment it will need to be mixed in with the sand before measure starting.
- 2) Measure 1 part A and 1 part B separately
- 3) Pour A & B into small mixing bucket/cup stir 10 seconds and pour into pre-measured sand
- 4) Mix with margin trowel add more sand if needed
- 5) Mix quickly to wet all the sand approx. 1 minute
- 6) Place in repair

RECOMMENDATIONS

- 1) Be sure aggregate is dry
- 2) Moisture will cause repair to swell
- 3) Deep repairs fill with in 1 inch from the top and let react and get hard before continuing. Note: If surface is wet or puddling sprinkle sand to refusal over surface. Once hard continue with repair.
- 4) Allow to cure for about 30 minutes than grind/polish surface

COVERAGE

1 gal SSP-500 & 2 gal. sand makes approx. 508 cu in of Mortar / 1 gal. SSP200 and 3 gal. sand makes approx 646 cu in of Mortar / adding pea grave increases yield

TECHNICAL SERVICES

Questions on mixing, applications, estimating

PACKAGING

SSP-500 is available 2 Gal. Kits, 10 Gal. Kits & 110 Gal. Kits. Cartridges are available per request.

SAFETY

This product is for professional applicators only. Wear protective clothing. Read MSDS before using this product. DOT/Flash Point: Non-flammable. Liquid not regulated.

WARRANTY

Solid Solution Products, Inc. will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.