

# SOLID SOLUTION PRODUCTS, INC.



## SPEC-UVR

## TECH DATA

WWW.SSPPOLYMERS.COM

### Aliphatic Decorative Concrete Repair Polymer Spalls / Cracks & Joint Repair / Resurface Deteriorated Concrete Surface

#### PRODUCT DESCRIPTION

**SPEC-UVR** is a specially formulated low viscosity **Aliphatic** two part polymer. **SPEC-UVR** can be used for grout coat to fill pitted concrete surfaces or combined with HydroKrete Powder and 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 system rapidly rebuilds deeply spalled/damaged concrete, broken floor joints and large & small cracks while providing a close match for polished concrete. **SPEC-UVR** is moisture tolerant and UV stable.

Unlike other repair polymer, **SPEC-UVR** does not yellow or dis-color from sun or UV-lighting. Concrete floors that have been grout will not amber or yellow over time. Patches will continue to stay matched to the surrounding concrete.

#### PRODUCT USES

**SPEC-UVR** is clear to allow adding powders or **SPEC-Pigment** to match the concrete color. Selected aggregates can be added to make a repair mortar for large spalls, cracks, and joint reconstruction. The polymer can be used neat or with fine aggregate as a grout to re-resurface concrete floors that are rough, pitted and have fine/small cracks.

#### APPLICATIONS

- ❖ REBUILDING FLOOR JOINTS EDGE
- ❖ SHALLOW & DEEP SPALLS
- ❖ POP-OUTS/BOLT HOLES
- ❖ GROUT COAT RESURFACER
- ❖ GRADE MATCHING
- ❖ COLOR MATCHING
- ❖ SMALL & LARGE CRACKS

#### ADVANTAGES

DOES NOT DISCOLOR FROM UV RAYS  
WITH STAND HEAVY FLOOR GRINDING  
MOISTURE TOLERANT  
NON-BRITTLE, NOT LIKE EPOXY  
CAN BE FEATHEREDGED  
HIGHLY FUEL & CHEMICAL RESISTANCE  
MEETS USDA REQUIREMENTS

#### GENERAL PHYSICAL CHARACTERISTICS

Solids	100%	Mix Ratio	1:1
Shelf Life	1 year	Elongation ASTM D124	7%
Hardness ASTM D2240	Shore D 65	Viscosity	<10
Compressive w/ aggregate	5000+ PSI	Temperature Range	-30 F to 120 F
Tensile ASTM D412	3000 PSI	VOC mixed	127 g/l
Bond ASTM	1900 PSI	Gel Time	12 ± 3 minutes @ 80F

#### PREPARATION

**ALL SURFACES MUST BE CLEAN AND DRY.** Cracks, damaged joints and spalls should be free of dirt, oils, dust, latent and loose materials. Shot-blast or grind the concrete surface before applying a grout coat. Square cutting of the repair area is optional.

#### APPLICATION

##### **Spalls, Cracks & Joint Repair Mortar**

2 parts liquid (1 A & 1 B) can be added to 2 to 4 parts sand. For deep repair, up to 2 parts pea gravel can be added. When making a mortar, keep it fluid and wet (not dry/stiff) so it is self-priming. You can always sprinkle sand over the repair if it puddles.

##### **ROUGH, PITTED & FINE/SMALL SURFACE GROUT**

2 parts liquid (1 A & 1 B) neat or with approx. 2 parts fines

#### BASIC MIXING TOOLS

1. Several medium size mixing bucket
2. Several measuring cups
3. Margin trowel
4. Steel Edge Scraper

#### EXTRA MATERIALS (NOT SUPPLIED)

1. Several grit sizes of sand & aggregate for matching concrete aggregate

## Aliphatic Decorative Concrete Repair Polymer

- Color pigment, dry or liquid for matching concrete color

### MIXING (Start with small batches)

#### **"Repair Mortar"**

- Measure and pour 2 parts sand into mixing bucket and hold 1 to 2 part to be added once liquid is in. Add more sand if wet.  
Note: When using dry color pigment, it will need to be mixed in with the sand before starting measurements.
- Measure 1 part A and 1 part B separately.
- Pour B first into bucket with sand, mix a little, then add A.
- Mix with margin trowel; add more sand if needed.
- Mix quickly to wet all the sand for approx. 1 minute
- Place in repair.

#### **"Surface Grout"**

- Measure out 1 part A and 1 part B separately. If neat, go to step 3
- If using fine aggregates, place about 2 parts into mixing pail. (Adjust grout as needed.)
- Pour B first, mix with fines, then add A into mixing pail. (Note a squeeze bottle with spout can be used.)
- Mix with margin trowel for about 30 seconds and pour onto floor and spread.

### RECOMMENDATIONS

- Be sure aggregate is dry. Moisture will cause repair to swell or bubble.
- For deep repairs fill in layers. Sprinkle sand to refusal over mortar between layers so surface inside the repair is not wet. Once reacted and hard, continue with the repair.
- Allow to cure for about 30 minutes before grinding/polishing surface.
- Patch any large/deep spalls & cracks first before doing a surface grout.

### COVERAGE

**"Repair Mortar"** 1 gallon of **Liquid** & 2 gallon of aggregate makes approx. 508 in.<sup>3</sup> of Mortar.  
1 gallon of **Liquid** and 3 gallon of sand makes approx. 640 in.<sup>3</sup> of Mortar. Adding pea grave will increase yield

**"Surface Grout"** 1 gallon of **Liquid Neat** at 10 mils will cover approx. 160 ft.<sup>2</sup>, and at 20 mils will cover approx. 80 ft.<sup>2</sup>.

1 gallon of **Liquid w/ Fines** at 10mils will cover approx. 240 ft.<sup>2</sup>, and at 20mils will cover approx. 120 ft.<sup>2</sup>. (Coverage can be greatly affected by surface texture.)

### TECHNICAL SERVICES

Contact for questions on mixing, applications, & estimating

### PACKAGING

**SPEC-UVR** is available in 1 Gal. Kit, 2 Gal. Kit, and 10 Gal. Kit. Cartridges are available per request.

### SAFETY

This product is for professional applicators only. Wear protective clothing. Read SDS 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.