

# Absolute Protective Coatings

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## TECHNICAL DATA

### DESCRIPTION

UK-2000, urethane hybrid overlay, with fast cure rates, traffic ready in 1 hour, even in cold temperatures.

UK-2000 is a unique blend of urethane-hybrid components and special fillers. This unique chemistry provides for super quick cure, **no odor** and a material that's VOC compliant. VOC content: Trace VOC (less than 24 g/l).

The result is a durable long-lasting surface in the toughest industrial & commercial flooring environments.

### TYPICAL APPLICATIONS

- ✓ Bottling plants, breweries & distilleries
- ✓ Industrial facilities
- ✓ Freezers & coolers
- ✓ Correctional facilities
- ✓ Tank farms
- ✓ Refineries – petrochemical facilities
- ✓ Warehouses
- ✓ Chemical processing plants
- ✓ Loading docks
- ✓ Pulp & paper mills
- ✓ Fuel & chemical secondary containment
- ✓ Restrooms
- ✓ Laboratory

### FEATURES

*BONDS WITHOUT PRIMER - No priming required in most applications.*

*BONDS TO CONCRETE, ASPHALT, STEEL & WOOD*

*SEALS & PROTECTS - Seals substrate, protecting from further chemical attack.*

*DURABLE*

*FAST REPAIR & CURE - Initial set in 20 minutes, traffic ready in 60 minutes.*

*SAFE & EASY TO APPLY - Non-flammable, no odor,*

*no peroxides or heavy metals.*

### USAGE

Resurface concrete, steel, asphalt & wood

Repair & patch concrete

Pre-level prior to resurfacing

Repair cracked pavement

Protect pavement from chemical attack

Create non-skid surfaces on ramps & floors

### LIMITATIONS

Consult Absolute Protective Coatings for: primer recommendation on damp concrete, if out-gassing is a concern, for deep repairs, or in areas of extreme heat.

### PROPERTIES

Hardness

durometer "D" .....85

Flexural strength

psi.....2,500

Tensile strength

psi.....1,300

Potlife.....12 minutes

**STANDARD COLORS (Use Absolute Coatings Powdered Pigment )** All Standard Colors

### COVERAGE

1.5 gallons of liquid w/50 pounds of filler covers fifty (50) square feet @ 120 mils (1/8" thickness).

Optional topcoat may be applied – consult Absolute Protective Coatings for recommendation.

### PACKAGING

1.5 gal kit - resin (parts A and B)

Net Volume A: half gallon (4.7 pounds)

Net Volume B: 1 gallons (7.95 pounds)

Net Volume C: 50 pounds filler

**MIXING RATIO LIQUIDS:** 1 A; 2 B; C (50 Pounds)

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## SHIPPING WEIGHT

65 lbs. per kit

## INSTALLATION GUIDELINES

1: All substrates shall be sound solid and free

from any loose or failing components. Substrates must not flex or deform under load. All surfaces must be free from previously applied coatings, dust, rust, scale, grease, oil, and other bond breaking contaminants.

2. Cracks greater than 1/6 inch in width shall be routed to a minimum of 1/4 inch wide by 1/4 inch deep and filled with Absolute Protective Coatings R-60 or PF-60 materials or approved materials.
3. Fill all expansion joints as required – using Absolute Protective coatings PF-60 or approved materials.
4. All application equipment shall be in good operating condition.
5. Coating materials shall not be applied when the ambient air temperature or the surface temperature is outside the boundaries as stated on the product data sheets and application guidelines.
6. Keep material out of sun or hot areas prior to applying, as this may cause working time to be diminished and could cause poor appearance and/or adhesion.
7. Product shall be maintained and installed at 35 - 80 deg F. For other temperature applications contact Absolute Protective Coatings
8. Substrate temperature range must be 35 - 80 deg F. For temperatures outside this range, contact Absolute Protective Coatings.

## SURFACE PREPARATION

1. Prepare surface to a minimum CSP-3 profile, removing all surface contaminants, including sealers, oils, or other bond inhibiting substances. Mechanically abrade by shotblaster, scarifier, bushing hammer, scabber or other means to provide a coarse (rough) texture.
2. Cut keyway channel (groove), using concrete saw equipped with dry cut diamond blade

around perimeter of area to be resurfaced.

Keyway channel (groove) depth shall be a minimum of 1/2" depth. Surfaces adjacent to a vertical plane (such as curbs, walls, tanks, etc.) shall have keyway channels cut approximately 4 – 6 inches back from vertical plane towards the interior of area to be resurfaced. Keyway channel shall be 1/2" deep by 1/2" wide.

3. Chip 2 inch wide taper back from interior edge of keyway channel at all termination edges, ie: drains, doors etc.; using bush hammer or chipping gun equipped with a 1 – 2 inch wide spade blade, chip a 2" wide taper back from edge of interior keyway channel (groove) inward towards the area being resurfaced. Taper shall match depth of keyway channel at it's deepest point which is the edge of the keyway and taper out to 0" at its most shallow point, 2" inches towards the interior of the area to be resurfaced.
4. Rout out all cracks to a minimum of 1/2" wide by 1/2" deep, using concrete saw equipped with dry cut crack chasing blade.
5. Vacuum surface free of all dust and dirt.

## MIXING AND INSTALLATION INSTRUCTIONS

NOTE: UK-2000 is not a typical 2:1 resin system mixing ratio. Use only in factory supplied pre-measured packaged containers. Failure to do so will result in undesirable effects.

UK-2000 is truly a rapid curing product. Due to fast reactivity pre-blending Part B and Part C prior to adding Part A (hardener) is essential.

The following instructions are for blending 1 factory measured kit.

## SL GRADE (self-leveling)

1. Pour Part B liquid into Part C powder filler.
2. Blend Part B and Part C for one minute.

When ready to install;

3. Pour Part A into pre-blended B/C mixture.
4. Blend for one minute.
5. Immediately pour onto floor.
6. Gage rake to desired thickness (recommend

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125 mils).

7. OPTIONAL - [a] Broadcast #20 Unimin or specified non-skid aggregate into uncured UK-2000.[b] Broadcast decorative topping flake or specified finish materials.

*IMPORTANT NOTE: Without non-skid aggregates applied to uncured basecoat, subsequent topcoats will not adhere. To achieve proper adhesion to cured UK-2000, a non-skid aggregate must be applied; otherwise, mechanical abrasion must be used to properly roughen surface prior to application of topcoat.*

8. OPTIONAL - Topcoat: Contact Absolute coatings

Due to rapid cure, pre-blending sufficient units of B/C mixture is critical to successful completion of project. Example: Project requires 10 units of UK-2000. It will be necessary to pre-blend 10 units of B/C mixture, PRIOR to adding Part A to mixture. When ready to install apply all product necessary to complete overlay, add factory measured Part A to each B/C mixture. **TROWEL**

### **GRADE (overlays and patching)**

1. Pour Part B liquid into KOL type mixer.
2. Pour Part C powder filler into same KOL mixing bucket that contains Part B.
3. Blend Part B and Part C for one minute. When ready to install;
4. Pour Part A into pre-blended B/C mixture.
5. Blend for two minutes.
6. Slowly add 50 lbs of #8 Unimin to A/B/C mixture
7. Blend for three minutes or until thoroughly mixed and uniform in appearance.
8. Immediately dispense and onto floor.
9. Spread to desired thickness (recommend 187 mils = approx. 3/16 inch).
10. Broadcast #20 Unimin or specified non-skid aggregate into uncured UK-2000.

11. OPTIONAL - Topcoat with specified Absolute Concrete product (recommend UK-1000).

Due to rapid cure, pre-blending sufficient units of

B/C mixture is critical to successful completion of project. Example: Project requires 10 units of UK-2000. It will be necessary to pre-blend 10 units of B/C mixture, PRIOR to adding Part A and Unimin to mixture. When ready to install apply all product necessary to complete overlay, add factory measured Part A and Unimin to each B/C mixture. **EMERY PLATE (heavy duty/high wear applications - overlays and patching)**

1. Pour Part B liquid into KOL type mixer.
2. Pour Part C powder filler into same KOL mixing bucket that contains Part B.
3. Blend Part B and Part C for one minute.

When ready to install;

4. Pour Part A into pre-blended B/C mixture.
5. Blend for two minutes
6. Slowly add 50 lbs of #20 Emery to A/B/C mixture
7. Blend for three minutes or until thoroughly mixed and uniform in appearance.
8. Immediately dispense and onto floor.
9. Spread to desired thickness (recommend 187 mils = approx. 3/16 inch).
10. Broadcast #20 Emery or specified non-skid aggregate into uncured UK-2000.
11. OPTIONAL - Topcoat with specified Absolute Concrete product (recommend UK-1000).

Due to rapid cure, pre-blending sufficient units of B/C mixture is critical to successful completion of project. Example: Project requires 10 units of UK-2000 Emery Plate. It will be necessary to pre-blend 10 units of B/C mixture, PRIOR to adding Part A and Emery to mixture. When ready to install apply all product necessary to complete overlay, add factory measured Part A and Emery to each B/C mixture.

### **CLEAN UP**

1. Clean tools immediately after use with Acetone, xylene or MEK.

### **MATERIAL SAFETY DATA SHEETS**

Material safety data sheets are available upon request. It is strongly recommended that all persons involved in the handling of Absolute Protective Coatings products read them.

## **WARRANTY NOTICE**

Recommendations for product use based on tests believed to be reliable. Field conditions vary widely. For this reason, the user must determine product suitability for the particular use and specific applications. Absolute Protective Coatings warrants that this product will be free of manufacturing defects for a period of (12) twelve months from date of manufacture. Absolute Protective Coatings will, at its option, replace any material or will refund the purchase price of any material that does not conform to our standard specifications, if the discovery of non-compliance is made within (1) one year of delivery of material. Absolute Protective Coatings liability and obligation is limited only to replacement or refund of product. Absolute Protective coatings assumes no liability for injury, loss or damage resulting from use of this product.

## **CORPORATE CONTACT**

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