U.S. RESIN SUPPLY · BUILT FOR INSTALLERS

U.C. PROCRETE TOPCOAT™

U.C.ProCrete

FOUR-COMPONENT POLYURETHANE COATING / GROUT

MASTERFORMAT™ 09 67 00

12 LB KIT	15 MINUTES	100–200 FT²	24 HOURS
4 COMPONENTS	POT LIFE @ 75°F	COVERAGE PER KIT	BEFORE LIGHT FOOT TRAFFIC

PRODUCT DESCRIPTION

U.C. ProCrete TopCoat is a four-component polyurethane coating/grout for use with U.S. Resin Supply U.C. ProCrete Slurry. It provides an attractive smooth, matte, colored floor finish.

TopCoat polyurethane floors and polyurethane coving to give a sealed or slip-resistant profile, while retaining chemical resistance and durability.

ADVANTAGES

- Impact resistance
- Rapid cure and hardness development
- Seamless and hygienic finish, with no crevices where dirt and bacteria can dwell
- Meets the requirements of JIS Z 2801:2000 for antimicrobial activity
- Temperature resistant 26.5°F to 185°F
- Excellent chemical resistance
- Moisture resistance
- No moisture testing required
- Acceptable for use in USDA inspected facilities
- Long-term toughness and durability in extreme industrial environments
- Easy to clean, low maintenance requirement
- High abrasion resistance
- Low odor during installation
- Smooth surface
- Water based

TYPICAL SYSTEM BUILD

1. **U.C. PROCRETE TOPCOAT · 1 – 2 COATS**
2. **U.C. PROCRETE SLURRY**
3. **PRIMER (POROUS SUBSTRATES, IF NECESSARY)**
4. **PREPARED SUBSTRATE**

Illustrative only. Highlighted layer = this product. Confirm system design with your U.S. Resin Supply representative.

PHYSICAL CHARACTERISTICS

PROPERTY	VALUE	REFERENCE
Compressive strength	7,500 psi after 7 days	ASTM C-579
Tensile strength	800 psi	ASTM D-638
Flexural strength	4,400 psi	ASTM D-790
Hardness (Shore D)	84–85	ASTM C-2240
Abrasion resistance	25 mg (CS-17 wheel, 1,000 cycles)	ASTM D4060 Taber Abraser
Impact resistance	> 160 in·lbs	ASTM C-4226

PRODUCT DATA

VOC	**Testing Method: ISO 11890-2: 2020, Not Detected**
Components	**4 · Part A resin, Part B hardener, Part C powder, Part D pigment pack**
Kit size	**12 lb per kit**
Coverage	**100–200 sf per kit, depending on finish/texture required**
Pot life	**15 minutes @ 75°F**
Min. application temp.	**50°F (material and floor)**
Temp. after application	**Must not fall below 40°F for 24 hours**
Light foot traffic	**Minimum 24 hours @ 25°C (77°F)**
Full chemical cure	**7 days**
Temperature resistance	**26.5°F to 185°F**
Shelf life	**12 months, original unopened container**
Storage	**75–95°F, dry; do not freeze**

PACKAGING AND COLORS

Packaging: 12 lb kit consisting of Part A resin, Part B hardener, Part C powder and Part D pigment. The number of kits mixed should be carefully chosen based on the size of the area and the number of operatives.

Available in six standard colors: Cream, Green, Yellow, Red, Gray and Light gray. Refer to the U.S. Resin Supply color chart.



Colors shown for reference only; screen and print colors vary. Always verify from a physical sample.

COLORS — IMPORTANT

U.C. ProCrete TopCoat is not color stable and may discolor on ageing; this is more noticeable in light colors. This will not impair its chemical resistance. Batch-to-batch color variation may occur. Ensure that materials for final application are always drawn from the same batch.

Where color matching is required over more than one order or delivery, the U.S. Resin Supply Technical Department must be contacted prior to placing the order(s), and the requirement stated clearly on all orders relating to the project(s).

MIX RATIO

All materials contained in the kit (Part A, Part B, Part C and Part D) must be mixed. **Do not mix portions lower than those contained in the complete kit.**

TEMPERATURE, CURE AND CLEANING

Temperature: U.C. ProCrete TopCoat should not be applied at material or floor temperatures below 50°F. Temperatures should not fall below 40°F in the 24 hours after application.

Cure period: Allow a minimum of 24 hours at 25°C (77°F) before light foot traffic (7 days for full chemical cure).

Tool cleaning: Clean with toluene or xylene before the product has cured.

SHELF LIFE AND STORAGE

Store unopened in dry conditions at 75–95°F. Avoid excessive heat and do not freeze. The shelf life is 12 months in the original, unopened container.

OVERVIEW OF INSTALLATION STEPS

Mandatory mockup: A 100–200 sq ft mockup should be installed as a guide for installation and quality control panel days or weeks before the actual installation of the coating system. The mockup should be approved by an authorized representative of the Property Management for slip resistance, aesthetics, and functionality.

Surface preparation: If the U.S. Resin Supply U.C. ProCrete Slurry is free from contamination, it does not require preparation. U.C. ProCrete Slurry that is more than 24 hours old must be mechanically prepared by thorough diamond grinding.

Mixing: Pack components are pre-weighed for optimum performance. Never split or proportion packs. Do not mix by hand.

1. Add Part B and Part D (pigment pack) into the mixing pail. Mix with a blender with helical spinner for 30 seconds.
2. Add Part A and mix with the blender for 20 seconds, then add Part C into the pail and mix for 30 seconds.
3. Allow the contents to mix until the filler is thoroughly “wet out.”

APPLICATION

First coat. Immediately after mixing, apply to the prepared surface using a squeegee and roller. Due to the limited pot life of U.C. ProCrete TopCoat (15 minutes at 75°F), apply at the edges of the surface at the same time as the main area to maintain a wet edge.

If a non-slip finish is required, immediately scatter the wet surface to full cover using silica aggregate at an approximate rate of 0.4 lb/sf. Allow to cure overnight.

Second coat (if required). Remove excess aggregate from the surface by broom and/or vacuum. Immediately after mixing, apply to the texture-finish surface using a squeegee and 3/8" – 1/2" nap roller. Take care to maintain a wet edge between kits of mixed material, also ensuring edge work is completed as with the first coat.

LIMITATION

Avoid contact with Part A and Part B as they may cause skin and/or eye irritation. In case of contact, immediately flush the area with copious amounts of clean water for at least 15 minutes. Seek medical attention. Applicators should cover hands with impervious gloves. Wash hands thoroughly with soap and water after use, and before eating, smoking, etc.

CAUTION

ALWAYS KEEP OUT OF REACH OF CHILDREN

KEEP FROM FREEZING CONDITIONS

INTENDED FOR INDUSTRIAL USE ONLY

CHEMICAL RESISTANCE

CHEMICAL	CONC. %	RATING
Acetic acid @ 30°C	30	E
Aluminium sulphate @ 30°C	30	E
Benzene	—	E
Chicken fats	—	E
Citric acid @ 30°C	30	E
Diethylene glycol monobutyl ether	—	M
Ethanol @ 30°C	96	E
Ethyl benzene	—	M
Hydrogen peroxide @ 30°C	100	E
Kerosene	—	E
Methylene chloride	—	NR
Naphtha (petroleum)	—	E
Naphtha (solvent)	—	E
Nitric acid @ 30°C	30	E
Phenol	—	NR
Phosphoric acid @ 30°C	50	E
Sodium hydroxide @ 30°C	50	E
Sulphuric acid @ 100°C	10	M
Sulphuric acid @ 30°C	20	E
Sulphuric acid @ 30°C	30	M
Sulphuric acid @ 30°C	50	M
Sulphuric acid @ 30°C	98	NR
Trixylyl phosphate	—	E
Urea @ 30°C	30	E
Xylene	—	E

RATING	DESCRIPTION	EXPLANATION
E	Excellent	No deleterious action after long-term contact.
M	Medium term	Unaffected after 1 month of contact but may begin to fail thereafter.
S	Short term	Unaffected after 24 hours of contact but may begin to fail thereafter.
NR	Not resistant	Attacked on contact or within 2–3 hours.

LIMITED WARRANTY

U.S. Resin Supply warrants its products to be free of manufacturing defects and that they will meet U.S. Resin Supply current published physical properties. U.S. Resin Supply warrants that its products, when properly installed by a state licensed contractor according to U.S. Resin Supply guide specifications and product data sheets over a sound, properly

prepared substrate, will not fail for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by U.S. Resin Supply of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. U.S. Resin Supply 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. U.S. Resin Supply shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. U.S. Resin Supply reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation, and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein is the only one which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and U.S. Resin Supply makes no claim that these tests or any other tests accurately represent all environments. For further information please contact us at hello@usresinsupply.com or www.usresinsupply.com.

DISPOSAL

Any surplus material, including both Part A and Part B components, should be combined and allowed to cure. Upon curing, the product can be disposed of without any restrictive conditions. Uncured materials should be securely stored in an appropriate sealed container and disposed of in strict adherence to the applicable provincial, state, municipal, and federal regulations.