KRETE TOPCOAT

PRODUCT TECHNICAL DATA SHEET

PPC KRETE TOPCOAT is a four components polyurethane coating/grout for use with PPC KRETE URETHANE SLURRY SL. Attractive smooth matt colored floor finish.

WHERE TO USE

TOPCOAT polyurethane floors and polyurethane coving to give a sealed or slip resistance profile, while retaining chemical resistance and durability

ADVANTAGES

- Impact resistance
- Rapid cure and hardness development
- Seamless & hygienic finish, no crevices where dirt and bacteria can dwell.
- Meets the requirements of JIS Z 2801: 2000 for the Antimicrobial activity
- Temperature resistant 26.5F to 185F.
- Excellence 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

COVERAGE RATES

100 to 200 sf/kit, depending on the finish/texture required.

PACKAGING and COLORS

PACKAGING: 12 lb. kit consisting of Part A Resin, Part B Hardener, Part C1Powder and Part C2 Pigment. Number of kits mixed should be carefully chosen based on size of area and number of operatives.
Available in six standard colors; Cream, Green, Yellow, Red, Gray, Light gray
Refer to PPC color chart.

COLORS: PPC KRETE 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, PPC 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 the materials contained in the kit (Part A, Part B, Part C1 and Part C2) must be mixed, DO NOT mix portions lower than those contained in the COMPLETE KIT.

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 original, unopened container.

PHYSICAL CHARACTERISTICS

TEMPERATURE:

- PPC KRETE 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 before light foot Traffic (7days for fully chemical cure).

TOOL CLEANING:

- Clean with toluene or xylene before the product has cured.

Compressive Strength (ASTM C-579) ……7,500 psi after 7 days

Tensile Strength (ASTM D-638) …….....800 psi

Flexural Strength (ASTM D-790) …..…… 4,400 psi

Hardness ……84-85
(ASTM C-2240/Shore D Durometer)

Abrasion Resistance ……..…… 25mg
(CS-17-wheel 1000 Cycles)
ASTM D4060 Taber Abrader)

Impact resistance (ASTM C-4226) …….. >160 in./lbs.

VOC (ISO 11890-2: 2020) …….. No Detected

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: The PPC KRETE URETHANE SLURRY SL or PPC KRETE Coving Mortar less than 24 hours old, if free from contamination, do not require preparation. The PPC KRETE URETHANE SLURRY, greater 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 C2 (Pigment Pack) into mixing pail. Mixing with the blender with helical spinner for 30seconds.
2. Add Part A mixing with the blender with helical spinner for 20 seconds and Part C1 into mixing pail and mix for30 seconds. Allow the contents to mix until filler is thoroughly “wet out.”

Applications

Working time PPC KRETE URETHANE SLURRY SL has a working time of approximately 23-27 minutes at 72°F. The working time will vary depending on temperature and relative humidity.

First Coat
Immediately after mixing, apply to the prepared surface at using a squeegee and roller. Due to the limited pot life of the PPC KRETE 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 PPC KRETE TOPCOAT, apply to the texture finish surface using a squeegee and 3/8" – ½" nap roller. Take care to maintain a wet edge between kits of mixed materials also ensuring edge work is completed as with first coat.

Spray down **Premera T2 MCM** topcoat to provide superior resistance to harsh chemicals, abrasion, mold, mildew, moss, chlorides & salt spray, acid rain, UV damage, oxidation, animal & bird waste damage, gum, and graffiti.

CHEMICAL CHARACTERISTICS

Chemical	%	PPC KRETE TOPCOAT
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 @ 30oC	30	E
XYLENE		E

KEY

Chemical Resistance ratings are as follows:

Rating	Description	Explanation
E	Excellent	No deleterious action after long term contact.
M	Medium Term	Unaffected after 1 month contact but may begin to fail thereafter
S	Short Term	Unaffected after 24 hours contact but may begin to fail thereafter
NR	Not Resistant	Attacked on contact or within 2-3 hours

LIMITATION

Avoid contact with Part A and B as they may cause skin and/or eye irritation. In case of contact, immediately flush 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.

LIMITED WARRANTY

PPC warrants its products to be free of manufacturing defects and that they will meet PPC current published physical properties. PPC warrants that its products, when properly installed by a state licensed contractor according to PPC 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 PPC of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PPC 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. PPC 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. PPC 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 users responsibility to satisfy himself, by his own information and test, 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 are the only ones 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 PPC makes no claim that these tests or any other tests, accurately represent all environments. For further information please contact us at the following email address: orders@premierprotectivecoatings.com or visiting www.premierprotectivecoatings.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.

CAUTION

ALWAYS KEEP OUT OF THE REACH OF CHILDREN
KEEP FROM FREEZING CONDITIONS
INTENDED FOR INDUSTRIAL USE ONLY