

DESCRIPTION

Trowel-applied water-based urethane concrete surfacer using the latest environmentally sustainable plant-based technology.

COLOR

Standard colors are natural, tile red, and silver gray. Other colors are optionally available.

PACKAGING

Multi-component kits consisting of one gallon each of A & B liquids, one quart of colorant, and 2 bags of purpose-blended aggregate.

FEATURES

- Seamless, hygienic finish eliminates crevices in which dirt can dwell.
- Excellent wear and impact resistance suited for medium traffic.
- Low odor for application in occupied space.
- Very high chemical resistance.
- Excellent compressive strength.
- Resists thermal shock making even cold surfaces steam cleanable.
- Part A blended from sustainable, plant-based polyols
- Water-based formula features improved tolerance to damp substrates.

USES

WearCOAT 735 is recommended for use in the following areas.

- Dry process areas
- Laboratories, QC areas
- Dispensaries
- Cold storerooms, freezers
- Warehouses
- Loading docks
- Kitchens and food prep areas

Physical Properties

Compressive Strength: (ASTM C-579)	>7,500 psi
Tensile Strength: (ASTM C-307)	1,200 psi
Flexural Strength: (ASTM C-580)	2,900 psi
Bond Strength: (ASTM D-4541)	>350psi, concrete failure
VOC:	0 g/L
Impact Resistance (Mil-D-3134)	Pass
Hardness (Shore D)	80-85

Technical Data

Coverage Rate @ 1/4"	32 sq. ft.
Number of Coats:	One
Storage Environment:	Dry area, 40-85°F
Ambient Application Temp.:	65-85°F
Material Application Temp.:	65-80°F
Substrate Application Temp.:	Minimum 5°F above dew point
Shelf Life:	6 months
Pot Life @ 77°F:	15 minutes
Traffic @ 77°F:	Light: 24 hours Full: 48 hours
Maximum hardness @ 77°F:	7 days

READ THE SAFETY DATA SHEET PRIOR TO USE.

LIMITED WARRANTY: All statements, technical information and recommendations contained herein are based on tests the manufacturer believes to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective at the time the sealed container is first opened, and in no event beyond the published shelf life. Neither seller nor manufacturer shall

be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. At no point shall a claim of loss or damage resulting from use of the product exceed the purchase price allocable to the product giving rise to the claim. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. All data, statements and recommendations made herein are based upon information manufacturer be-

lieves to be reliable, but are made without any representation or guarantee or warranty of accuracy, and are made with reservation of all patent rights. All products are sold on the condition that the user will evaluate them, as well as manufacturer's recommendation, to determine their suitability for user's own purpose before adoption. Statements regarding the use of the products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations.

SURFACE PREPARATION

Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants. New concrete should be cured a minimum of 14 days.

- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or contaminants removed.
- Remove any laitance or weak surface layers.
- Concrete should have a minimum surface tensile strength of at least 300 psi per ASTM D-4541.
- Shot blasting is the preferred method of preparation
- Moisture vapor transmission should be 20 pounds or less per 1,000 square feet over a 24-hour time period, as confirmed through a calcium chloride test, as per ASTM E-1907. Quantitative relative humidity (RH) testing, ASTM F-2170, should confirm concrete RH results <80%.
- All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.
- To prevent undercutting or lifting, keyways (minimum 5/16" wide x 5/16" deep) must be formed at all edges, bay joints, columns, doorways and drains. Always coat into a keyway and do not feather the material to an edge.

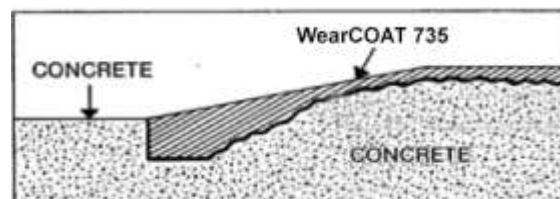
MIXING

Pour Part A Resin into a clean 5-gallon mixing pail. Add Part C (Color Pack) to Part A and thoroughly mix using a "jiffy" mixer driven by a drill motor. Add Part B Hardener and mix thoroughly for a minimum of 10 seconds. Gradually add all contents of blended aggregate (2 bags) into the liquid mixture and mix thoroughly until all particles are wetted out, normally about 2 minutes.

APPLICATION

Immediately after mixing, spread the topping onto the floor to the required thickness using a metal trowel. Larger areas may be spread by a screed box prior to finish troweling. Lay abutting edges within 10 minutes to ensure a neat edge. A "wet edge" installation is imperative during large placements. When broadcasting aggregate, be sure to complete the broadcast prior to material set, normally 15-20 minutes.

Where feathering to an existing concrete area is desired and where heavy wheeled-traffic load will be involved, a kerf should be cut in the concrete and the topping troweled into the cut (see Figure 1).



For best results, clean tools and equipment with MEK or xylene. Always wear gloves when using this product.

DO NOT THIN THIS PRODUCT

PRECAUTIONS

Polyurethane mortar flooring materials should not be installed or placed on substrates where water is present or may be expected to be present before the cure of the flooring material. Floors should be sloped to drain to prevent standing water or chemicals. As with any surface, all spills should be removed as soon as possible.

If to be used in a specific chemical environment, confirm product performance prior to broad application.

Always use protective clothing, goggles and gloves during use. Avoid eye and skin contact.

DO NOT INGEST OR INHALE.