westcoat®

PRODUCT SPECIFICATION

EC EPOXY COAT
DURABLE RESINS & HARDENERS

EC-28 Temper-Crete™ UV Topcoat Urethane

Description
Westcoat EC-28 Temper-Crete™ UV Topcoat Urethane is a 100% Solids, three-component, low odor, aliphatic urethane resin designed to be used with Westcoat TC-78 Temper-Crete™ UV Topcoat Cement.

Uses
EC-28 Temper-Crete™ UV Topcoat Urethane is used in conjunction with TC-78 Temper-Crete™ UV Topcoat Cement and CA-28 Temper-Crete™ UV Topcoat Catalyst to create a UV resistant, 100% solids, cementitious, aliphatic urethane topcoat. It is designed as an optional topcoat in the Temper-Crete™ SLB and RTB Systems.

Advantages
USDA/FDA/ADA Compliant ▪ Thermal Shock Resistant ▪ Low Odor ▪ High Compressive Strength ▪ High Build ▪ Fast Turnaround ▪ Chemical Resistant ▪ Heat Resistant

Product Data			
Packaging	209 ounce kit (EC-28 Part A-Partially filled 1 gal jug, EC-28 Part B-Full 1 gal jug, CA-28-Partially filled 4 oz container, all packaged in 1 box)	**Color**	Cape Cod Gray, Concrete Gray, Deep Tan, Pewter Gray, Tile Red
Coverages	130-160 sq. ft per mix on use.	**Mix Ratio**	Part A: 80 fl. oz.: Part B: 128 fl. oz. CA-28 Catalyst: 1 fl. oz. mixed with 6 lb bag of TC-78 cement
VOC Content	7 gm/l	**Shelf Life**	2 years in unopened packaging

Inspection
Please refer to the desired System Specification Sheet for further information regarding inspection.

Preparation
The Temper-Crete™ UV Topcoat is designed to be applied over the Temper-Crete™ Coat and broadcast in the Temper-Crete™ SLB and RTB systems. Ensure that the Temper-Crete™ Coat is dry and that all loose sand is removed from the surface, prior to applying the Temper-Crete™ UV Topcoat. Please refer to the desired System Specification Sheet for further information regarding Surface Preparation.

Moisture
All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 15 lbs/1000 square feet (ASTM F1869) or if the relative humidity (RH) exceeds 90% (ASTM F2170), contact the manufacturer before application.

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Mixing
All materials should be conditioned at 60-75F degrees for a minimum of 24 hours, before use. Pre-mix EC-28 Temper-Crete™ UV Urethane parts A and B individually. In a clean vessel, mix the entire contents of EC-28 part A and CA-28 Temper-Crete™ UV Topcoat Catalyst for 15 seconds with a mechanical mixer. Slowly add one bag of TC-78 UV Cement and thoroughly mix the materials until a homogeneous mix is attained (~60 seconds). Next add EC-28 part B and mix for an additional two minutes, while being sure to scrape the sides of the vessel while mixing. Failure to properly mix materials may result in an inconsistent finish and can affect how the material flows and performs.

Applying Product
Apply the Temper-Crete™ UV Topcoat mixture onto the surface using a squeegee or rubber float at a rate of 130-160 square feet per mix and back roll with a ⅜ inch nap roller cover. Ensure an even application and avoid leaving puddles or dry spots. Material must be applied thin and do not allow the material to puddle.

Dry Time
Light foot traffic should be permitted after 18 hours. Heavy traffic and exposure to moisture and chemicals should be permitted after 72 hours. All dry times based on 72F degrees. Colder temperatures will prolong dry times. For more information on Dry Times, please refer to the appropriate System Specification sheet.

Clean Up
Uncured material can be removed with an environmentally-safe solvent. If cured, material can only be removed mechanically.

Health Precautions
Inhalation of vapor or mist can cause headache, nausea, irritation of nose, throat and lungs. Prolonged or repeated skin contact can cause slight skin irritation. All products have the potential of causing skin irritations or allergic reactions. Cements contain silicas; dust mask or respirator should be used when mixing, sanding or grinding. Be careful not to get on skin, clothes or in eyes. Glove and respirators are strongly recommended. Avoid breathing vapors. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

Extinguish all pilot lights and sources of ignition, such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

Limitations

- This system is designed for professional use only, by experienced applicators.
- Read System Specification Sheets for every product you will be using before beginning the project.
- Be sure to do adequate surface preparation.
- Avoid application while ambient and substrate temperatures are climbing, as pinholes may appear.
- Be sure to measure and mix properly. Do not overmix material.
- May be slippery when wet.
- Do not apply to wet surfaces.
- Temper-Crete™ will have a mottled finish.
- Be aware of the pot life of mixed material. Once materials are combined, immediately remove mix from mixing vessel.
- Do not apply in temperatures below 50°F or temperatures above 75°F. Hot or Cold weather will effect dry times.
- Do not apply material in direct sunlight. This can cause early surface dry, which can cause the surface to expand and crack.
- Approval and verification of proposed colors, textures and slip resistance is recommended.
- Do not allow Westcoat products to freeze.

Slip Precaution

Westcoat Specialty Coatings Systems highly recommends the use of a slip-resistant additive to all coatings/systems that may be exposed to wet, oily, greasy or slippery conditions. It is the end user's responsibility to provide a flooring system that meets current safety standards. Westcoat and its distributors will not be responsible for injury incurred during a slip and fall incident. For the current coefficient of friction requirements, please consult your local building codes.

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Tech Data

Chemical Resistance	Clear & Pigmented
Muriatic Acid (31.5% HCL)	5
Sulfuric Acid (50% H2SO4)	5
Sulfuric Acid (93% H2SO4)	3
Nitric Acid (10% HNO3)	5
Sodium Hydroxide (50% NaOH)	5
Isopropyl Alcohol (99%)	5
Bleach (sodium hypochlorite)	5
Vinegar (3-5% acetic acid)	5
Transmission Fluid	5
Gasoline	5
Brake Fluid	5
409 Surface Cleaner	5
Pine Sol Solution	5
Blood & Body Fluids	5
Iodine Solution	5
Mustard	5s
Ketchup	5
Red Wine	5s
Acetone	4
Methyl Ethyl Ketone (MEK)	5
Xylene	5
Skydrol	5
Ethanol	5
Methanol	5

Key:
5 = Best (no effect)
4 = Softens (recovers)
3 = Softens (no recovery)
2 = Blistered (no recovery)
1 = Worst (destroyed)
s = Stains but resists degradation

Testing done per ASTM D1308
All Single Numbers = 2 hr Contact time
All Multiple Numbers Separated by a Slash = 2 hr contact time / 24 hr contact time