



EC

EPOXY COAT
DURABLE RESINS & HARDENERS

EC-24 Temper-Crete™ Resin

Description

Westcoat EC-24 Temper-Crete Resin is a 100% Solids, two-component, low odor, aromatic urethane resin designed to be used with Westcoat Temper-Crete Standard, Temper-Crete Broadcast, Temper-Crete Industrial and Temper-Crete Cove Systems.

Uses

EC-24 Temper-Crete Resin is a urethane binder that is combined with TC-2, TC-70 and other aggregates to create monolithic systems that are ideal in service areas where a high build and fast turnaround floor system is required. Perfect for breweries, manufacturing plants, commercial kitchens, freezers, coolers, pharmaceutical plants, food and beverage facilities.

Advantages

- USDA & FDA Compliant
- VOC Compliant
- Moisture Tolerant
- Chemical Resistant
- High Strength
- Heat Resistant
- Fast Drying
- High Build
- Superior Adhesion

Packaging

3 gallon kit

INSPECTION / PREPARATION

Inspection

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be at least 3000 PSI, porous, and able to absorb water. A minimum of 14 days curing time is required on all concrete. For applications over "Green" concrete, please contact Westcoat. Do not apply Temper-Crete over existing coatings.

Preparation

Pre-cut and clean all cracks and joints with a concrete diamond blade to at least 1/4" x 1/4". Cut 1/4" x 1/4" keyways, 6 inches from all walls, drains, both sides of control joints and at regular intervals 10 feet apart throughout the surface. All floor drains and termination points must have a 1/4" x 1/2" keyway bevel. Prepare concrete to

a profile equal to CSP 4-6 as specified by ICRI . You may mechanically profile by grinding, shot blasting, or scarifying. Methods may vary according to the condition and hardness of the concrete. When preparing the surface use caution when shot blasting, scarifying too aggressively or grinding too smooth.

Moisture

All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade concrete slabs may result in loosening of coatings or improper curing of resinous materials. If moisture emissions exceed 10 lbs./1000 sq ft. contact the manufacturer before application.

*Please refer to the system specification sheet for more information on inspection and preparation.

APPLICATION

Mixing

All materials should be kept between 50-75°F. Premix parts A and B individually. Add TC-45 Dry Pigment into EC-24 Part A until a homogenous mix is attained. In a clean vessel, mix the entire contents of parts A and B of EC-24 together for 30 seconds with a mechanical mixer. Slowly add the desired aggregate(s) and combine till a homogenous mix is attained. Be sure to thoroughly mix the materials and scrape the sides of the vessel while mixing. For further information on mix ratios and materials, please see individual System Specification sheets.

Coverage

Coverage will vary depending on the condition of substrate, desired system and thickness. Please see individual System Specification sheets for further information on coverage rates and yields.

Applying Product

Application methods will vary depending on the condition of substrate, desired system and thickness. Please see individual System Specification sheets for further information on application methods.

Clean Up

Uncured material should be removed with an environmentally-safe solvent. Cured material should be removed mechanically.

Dry Time

Average Dry Time is 6 hours at 72°F. Please see individual System Specification sheets for further information on dry times.

LIMITATIONS

- Read individual Product Specification Sheet on each product prior to start of the project.
- Be sure to do adequate surface preparation.
- Be sure to measure and mix properly.
- This system is designed for professional use only.
- For interior use only.
- May be slippery when wet.
- Do not apply to wet surfaces.
- This material will have a mottled finish.
- Be aware of the pot life of mixed material.
- 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. Ultraviolet and some artificial lights may cause floors to yellow.
- Approval and verification of proposed colors, textures, and slip resistance is recommended.
- Do not allow Westcoat products to FREEZE.

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.

DISCLAIMER

PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT

OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.

Physical Properties

EC-24 Temper-Crete Resin Shelf Life	1 year
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