

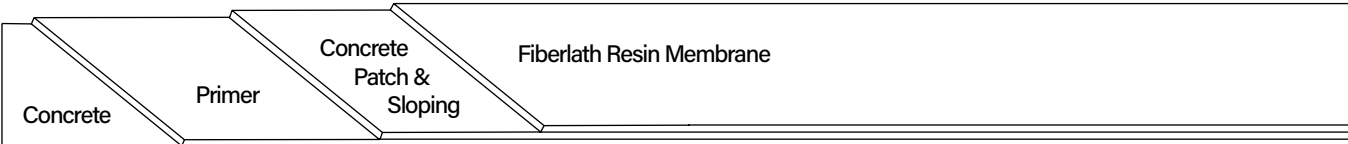
Description

TC Slope & Patch is a mixture of acrylic cement and cement modifier developed to aid in patching, sloping or repairing concrete in conjunction with Texture-Crete®. TC Slope & Patch can be used for feather patching or sloping projects.

Uses

TC Slope & Patch is used to patch and fill holes in concrete under the Texture-Crete® System. It can also be used to slope or build up low areas before installing the Texture-Crete® System.

System Overview



System Data			
Coverages	Primer 250-350 ft ² per gallon	Concrete Patch 50 ft ² at 1/8 inch per batch 6.25 ft ² at 1 inch per batch 2 ft ² at 3 inches per batch	Fiberlath Resin Membrane 250 ft ² per batch
Components	EC-11 Water-Based Epoxy TC-30 Slope Mix WP-47H Fiberlath Heavy Duty WP-90 Waterproofing Resin		Shelf Life 3 years 1 year 5 years 2 years

Advantages

Fast Drying • Minimal Shrinkage • Crack Resistant • Cost Effective • Water Resistant • Easy to Use • High Strength • Can be Feathered • Use for Sloping

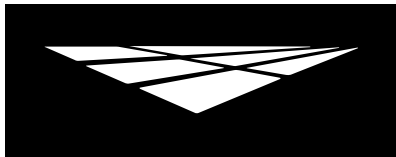
Inspection

Concrete must be clean, dry and free of grease, paint, oil, dust, curing agents, laitance or any foreign material that will prevent proper adhesion. The concrete should be at least 2,500 PSI, porous and able to absorb water. A minimum of 28 days curing time is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure.

Moisture

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 5 lbs/1000 square feet (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), please refer to the EC-15 Moisture Vapor Barrier Product Specification Sheet.

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SPECIALTY COATING SYSTEMS

**SYSTEM
SPECIFICATION**

TC

TEXTURE COAT
DECORATIVE TEXTURED SURFACES

TC Slope & Patch

Preparation

Remove all loose, cracked or broken material. Prepare concrete to a profile equal to CSP 3 as specified by ICRI. If the surface is not porous, the material will not bond as well.

Concrete Repair

For concrete that needs repairs beyond just dormant cracks, TC-23 Mortar Mix can be used. TC-23 is designed to be used as a general concrete repair mix for horizontal and vertical applications and can be used as a patching/underlayment material under most Westcoat systems. Please refer to the TC-23 Mortar Mix Product Specification Sheet for details.

Primer

Premix each component separately. In a clean bucket, mix 2 parts A with 1 part B (by volume) of EC-11. Mix thoroughly with a low speed (400-600 rpm) drill motor for 3-4 minutes. Make sure to scrape the sides and bottom of the container during mixing. EC-11 can be thinned with water, up to 50%. After mixing, dip and roll or spray and back roll the EC-11 onto the surface at a rate of 250-350 square feet per gallon. Do not allow material to puddle. Allow EC-11 to become tacky and trowel slurry coat into tacky primer. Do not let the primer dry and shell over, as this may prevent the slurry coat from properly adhering. Alternatively, you can roll the EC-11. Immediately broadcast 30 grit silica sand to refusal and allow the EC-11 to dry (1-4 hours at 70F degrees). Remove all loose sand prior to installing the slurry coat.

Coverage

Coverage for the slope material will depend on the thickness of each batch. One batch will equal approximately 50 square feet at 1/8 inch, 6.25 square feet at 1 inch and 2 square feet at 3 inches.

Mixing

Combine one 50 pound bag of TC-30 with up to 4 quarts of water. Add the TC-30 slowly to the water during the mixing process and evaluate the material's consistency to ensure desired workability. For sloping up to 3 inches, it is recommended to start with 2.5-3 quarts of water when mixing. Additional water or TC-30 may be needed depending upon the environmental conditions at the time of application. Do not exceed 4 quarts of water per 50 pound bag.

Applying Product

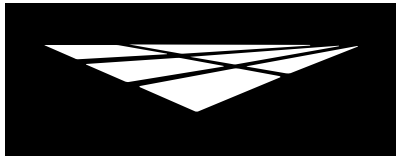
Place the mixture into or onto the area to be sloped. Using a screed, hand float or trowel, level and smooth the material once. TC-30 may be broom finished after placement. Material may be applied at the desired thickness (feathered edge to 3 inches). One bag of TC-30 will cover ~50 ft² at 1/8 inch ~6.25 ft² at 1 inch or ~ 2 ft² at 3 inches.

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Fiberlath Resin Membrane

Shrinkage cracks may occur and it is recommended to apply WP-47H Fiberlath Heavy Duty and a MACoat mix over all sloped areas. Allow the TC-30 to dry for 12 hours before coating. Lay out WP-47H reinforcing mesh on the deck, overlapping the seams approximately 2 inches. Combine one bag of TC-1 Basecoat Cement with five gallons of WP-90 Waterproofing Resin and mix with a mechanical mixer until uniform. Pour the mixture into the WP-47H, trowel thin and smooth at the coverage rate of approximately 250 square feet per batch. Use a paintbrush to spread the base coat on the flashing, ensuring the mixture covers all seams and corners. Using a brush, wet with water, feather all outside edges. Allow surface to dry for 1-4 hours at 70 degrees. Scrape off any high spots or ridges that may inhibit application of a smooth texture coat. Trim any mesh that is showing on perimeters after the material has hardened.

Dry Time

Concrete Patch drying time will vary depending on thickness of patch, amount of water added, temperature and humidity. In general, allow 4-6 hours for 1 inch thick material at 70 degrees. Thinner areas in warmer temperatures may dry in a few minutes. In high temperature and low humidity, it may be helpful to moisten sloped areas by sprinkling with water or by covering with wet rags to help keep them from drying too fast and cracking. One quart of CA-15 Cement Accelerator may be used to speed up the cure time at lower temperatures.

Optional Materials

Cement Options

- TC-23 Mortar Mix may be used as a general concrete repair mix for horizontal and vertical applications and can be used as a patching/underlayment material.

Primer

- WP-81 Cement Modifier diluted one part to four parts water, can be used in lieu of EC-11, when a cost-effective, acrylic primer is desired.
- EC-12 Epoxy Primer can be used in lieu of EC-11, when maximum adhesion and 100% solids epoxy is desired. When using EC-12, apply at 200-300 square feet per gallon and broadcast 30 grit silica sand to refusal.

Optional Sloping Technique

- Combine ½ gallon of WP-81 Cement Modifier with one bag of TC-1 Basecoat Cement and between ½ and ¾ of a gallon of water. Mix until uniform with a mechanical mixer at a low rpm. Place the mixture into or onto the area to be sloped. Using a screed, hand float or trowel, level and smooth the material once. The material is too sticky to be refinished or hard troweled. After material has hardened, scrape off loose or uneven material. Maximum thickness should be ½ inch and should be applied ¼ inch at a time.

Clean Up

Uncured material can be removed with soap and warm water. If cured, material can be removed mechanically or with an environmentally-safe solvent.

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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. Cements contain silicas; dust mask or respirator should be used when mixing, sanding or grinding.

Limitations

- This system is designed for professional use only.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 50°F or above 90°F.
- Rain will wash away uncured Westcoat acrylic products.
- If inclement weather threatens, cover deck to protect new application.
- Sloping on a moving substrate may cause material to crack.
- Concrete Patch is not designed to flex.
- Do not allow Westcoat products to freeze.

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