



# Slope Technique

### Description

Sloping can be done on decks and is a combination of acrylic cement, cement modifier and an aggregate. It also includes a laminated fiberlath for crack resistance.

### Uses

Sloping is used as a secondary option to fill or slope low spots in the ALX™ and MACoat™ systems when the substrate is not properly sloped.

### System Overview



System Data			
<b>Coverages</b>	<b>Primer</b> 200-300 ft <sup>2</sup> per gallon	<b>Sloping</b> 50 ft <sup>2</sup> at 1/8 inch per batch 6.25 ft <sup>2</sup> at 1 inch per batch 2 ft <sup>2</sup> at 3 inches per batch	<b>Fiberlath Resin Membrane</b> 250 ft <sup>2</sup> per batch
<b>Components</b>	<u>WP-81 Cement Modifier</u> <u>TC-30 Slope Mix</u> <u>WP-47 Fiberlath</u> <u>WP-90 Waterproofing Resin</u>	<b>Shelf Life</b> 2 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

### 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. Do not apply to wet plywood.

### Preparation

Remove all loose, cracked or broken material and rough-up the surface you intend to bond to, especially areas to be sloped and feathered. If the surface is not porous, the material will not bond as well. Prepare the surface as stated in the system specification sheet. Sloping is usually done after the basecoat.

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### Primer

Mix four gallons of water with one gallon of WP-81, (4 to 1 ratio for a total of 5 gallons) and apply it at a rate of 200-300 square feet per gallon. Roll or spray WP-81 primer over the area to be coated. Only prime areas to be coated the same day. For best results, trowel the TC-30 into damp primer. Do not allow the primer to dry before applying TC-30. EC-11 Water-Based Epoxy Primer can be used as a primer in place of WP-81 for maximum adhesion. No priming is required when sloping over the ALX™ & MACoat™ basecoat.

### 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 ft<sup>2</sup> at 1/8 inch ~6.25 ft<sup>2</sup> at 1 inch or ~ 2 ft<sup>2</sup> at 3 inches.

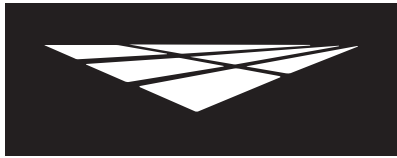
Shrinkage cracks may occur and it is recommended to apply WP-47 Fiberlath and a MACoat mix over all sloped areas. Allow the TC-30 to dry for 12 hours before coating. Place WP-47 over all sloped areas and combine one bag of TC-1 Basecoat Coat Cement with five gallons of WP-90 Waterproofing Resin. Mix with a mechanical mixer until uniform. Pour the mixture into the WP-47, trowel thin and smooth at the coverage rate of approximately 270 square feet per batch. Allow the surface to dry for 1-4 hours at 70°F before proceeding with the succeeding coats. Please refer to the desired System Specification Sheet for further information.

### Fiberlath Resin Membrane

A fiberlath resin membrane is required over sloped areas for maximum reinforcement. Lay out WP-47 Fiberlath 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-47, 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.

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**SYSTEM  
SPECIFICATION**

**WP**

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### Dry Time

Sloping 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

#### Primer

- EC-11 Water-Based Epoxy Primer can be used as a primer in place of WP-81 for maximum adhesion.

#### 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.

### 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.

Solvent based products are extremely flammable, 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.
- 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 concrete or plywood deck may cause material to crack.
- Concrete Patch is not designed to flex.
- Do not allow Westcoat products to freeze.

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