



TC-23 Mortar Mix

Description

TC-23 Mortar Mix is a single component, polymer modified, high-performance concrete repair mix.

Uses

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.

Advantages

Add Water Only Formula • High Strength • Fast Setting • Durable • High Quality • Low Shrinkage

Product Data			
Packaging	50 lb Bag	Color	Grey
Coverages	~6.25 ft ² at 1" / 50 lb bag	Mix Ratio	3¾-5 qts of water / 50 lb bag
VOC Content	Zero VOC	Shelf Life	1 Year in unopened packaging

Inspection

Surface must be structurally sound, dry, and free of laitance, oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. Please refer to the desired System Specification Sheet for further information regarding Inspection.

Preparation

Remove all loose, cracked or broken material and prepare the surface you intend to bond to. Remove all debris, construction materials, existing floor coatings, paint and all non-concrete materials. Be sure to sweep and vacuum the surface prior to applying material. Surface should be rough and porous and prepared to a minimum CSP 2. If the surface is not porous, the material will not bond well. Please refer to the desired System Specification Sheet for further information regarding Surface Preparation.

Priming

Surface should be primed by dampening with water, but no standing water should be present when applying material.

Mixing

In a clean, dry bucket, combine one 50 lb bag of TC-23 to 3¾ - 5 quarts of water. Slowly add the TC-23 to the desired amount of the water. During the mixing process, evaluate the material's consistency to ensure desired workability. Additional water or TC-23 may be needed depending upon the environmental conditions at the time of application. Do not exceed 5 quarts of water.

Applying Product

Trowel or float TC-23 Mortar Mix into the properly prepared crack, spall or repair area. One bag of TC-23 will cover ~50 ft² at 1/8" or ~6.25 ft² at 1". Typical working time is ~20-30 minutes at 70°F.

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.



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Clean Up

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

Dry Time

Allow the material to dry for a minimum of 90 minutes before permitting light foot traffic. Allow 4-5 hours before grinding and wait 8-10 hours before coating. All times are based on average temperature of 72°F and 50% humidity.

Limitations

- This product is designed for professional use only.
- Read System Specification Sheets 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 area to protect new application.
- Store material between 40°F-80°F.
- Do not allow Westcoat product to FREEZE.
- Use dustless equipment when possible.

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. Contains portland cement. Use the proper personal protective equipment. Avoid eye contact and prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes. Call a physician immediately.

Technical Data	
Color	Gray
Polymer Needed	No, just add water
Indoor/Outdoor Use	Indoor/ Outdoor
Dry Time (hours)	90 mins @ 70°F
Shelf Life	1 Year
Compressive Strength, psi (ASTM C-109)	
1 day	2,100 psi
7 days	3,250 psi
28 days	5,000 psi
Flexural Strength, psi (ASTM C-78)	
1 day	500 psi
28 days	600 psi
Direct Tensile Bond, psi (ACI 503) 28 days	300 psi (substrate failure)
Drying Shrinkage, % (ASTM C-596) 28 days	0.05
Freeze/Thaw Resistance, % (ASTM C-666) 28 days	98%
Initial Set, Minutes (ASTM C-266)	30
Final Set, Minutes (ASTM C-266)	60

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