

Product Description

Premium Concrete Countertop Mix™ is a fast-setting, high-strength mix specially formulated to create countertops, outdoor kitchen tops, bar or table tops, workbench or utility tops. This product can also be used to produce precast wall caps, mantel or lintels for many different applications. Premium Concrete Countertop Mix™ needs only water to produce an easy-to-use, pourable mixture that can be de-molded in 18-24 hours. This mix is intended for reverse-cast application only.

When/Where to Use

- Precast countertops
- Outdoor kitchen tops
- Bar or table top
- Workbench or utility top
- Precast wall caps
- Precast mantels
- Precast lintels

Advantages

- Fiber reinforced: shrinkage-reducing micro fiber technology
- Polymer modified
- High strength
- Pourable consistency
- Sets in 18-24 hours
- Just add water

Available Sizes:

50 lb. (22.7 kg) bag

Technical Data:

ASTM C109 COMPRESSIVE STRENGTH	
24 Hours	3,000 psi avg.
28 Days	10,000 psi avg.

Yield

To determine how much material is required for a project, calculate the volume in cubic feet. Multiply the length by the width by the thickness of the finished countertop for volume in cubic inches, then divide the sum by

1728 for cubic feet. As an example, a countertop that will be 36" long x 24" deep x 2" thick will need 1 cubic foot of wet countertop mix-calculation: $(36 \times 24 \times 2)/1728 = 1$ cubic foot. Each 50# bag will yield approximately $\frac{1}{3}$ of a cubic foot. Therefore, for every cubic foot this would require 3 bags of product.

Preparation:

Make a form for making your countertop using $\frac{3}{4}$ " Melamine coated particleboard. Cut strips for the sides $1 \frac{1}{2}$ " – 3" wide to match the desired countertop or precast piece thickness. Drill pilot holes on the side boards from the top down and assemble the side panels to the bottom panel using $\frac{1}{2}$ " longer screws than the side rail (ex. 2" rail = 2 $\frac{1}{2}$ " screws). Fasten the sides of the form to the base using coarse screws allowing for the depth of the precast piece and fastening securely to the base. Fasteners should be located every 6-8 inches around the perimeter. Reinforcement: In many precast applications, it will be desirable to use wire mesh or rebar for added strength and durability. It is especially recommended in applications that will endure heavy-duty use or force. Cut a piece of welded wire mesh 2" smaller than the interior of the form and 2" away from any sink or faucet cut outs. On precast pieces larger than 42" or over 2" thick #3 rebar should also be used. Using wire ties attach the rebar to the welded lath. Suspend the reinforcements near the middle of the height of the forms using wire ties attached to the side forms using screws. Place painter's tape over the screw heads to create ease in disassembling the form. It is best to vacuum and wipe down the inside of the form with a clean rag and warm water or acetone. Use of other cleaning products can leave streaks and residue on the form that you may not be able to see until the top is removed from the mold. Thoroughly dry the inside of the form prior to pouring the mix. Do not apply a form release agent to the melamine.



Mixing

Mix each 50# bag of Premium Concrete Countertop Mix™ in a five gallon bucket or mortar mixer with 5 to 6 pints of clean, potable water for 3 minutes. Mix time is critical do not cut short. Let product sit for 2 minutes undisturbed. Then, remix the product for 2 minutes until a flowable consistency is obtained. If color is desired, add dry powder pigment or liquid colorant to the mix water. Mix consistently so the pigment is evenly mixed. A general recommendation for adding 1 pint liquid pigment is to less the amount of liquid pigment to the overall mixing water. So if the liquid pigment is $\frac{1}{2}$ solids and a $\frac{1}{2}$ pint water, minus a $\frac{1}{2}$ pint water from the 5 - 5.5 pints of recommended mixing water.

Application

Make sure the form(s) are leveling prior to pouring mixture. Fill the pre-made form with the mixture making sure it fills in around any reinforcement. Vibrate the form by tapping with a rubber mallet around



Helpful Items:



all the edges or by using a palm sander without any paper on it. This is an important step to minimize pinholes in the precast surface.

Curing

After the material in the form has begun to take a set, normally 1 hour, snip off the wire ties holding the wire mesh just below the surface of the countertop mix. If needed, screed the back off, using a 2" x 4" moving it in a sawing type movement against the top of the side forms. Cover the countertop mix with plastic and allow it to cure 18-24 hours. Remove the plastic from the countertop surface and remove all the screws holding the form together. The countertop will still be very fragile so use care in removing forms. If necessary, use small wooded shims to help remove the sides of the form. Put down some small pieces of foam next to the base of the form. Then hold the base of the form and the countertop, lift the countertop onto the foam in a vertical position. Gently remove the bottom of the base and gently remove any cut outs. Using caution lay the top down on foam scraps with the surface of the countertop up. Using a sanding block smooth all the edges and remove any imperfections/defects.

Finishing

The surface of the countertop can be wet polished or cleaned and sealed, as is, depending on the desired appearance. Follow all instructions for the sealing products used. If pinholes are present use a non sanded patch to fill any pinholes or to touch up any imperfections or defects along the edges prior to finishing.

Clean Up

Typically water will satisfactorily clean tools after using Premium Concrete Countertop Mix™. If the material has begun to harden, warm soapy water may be helpful for cleaning hands and tools.

Warranty:

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, those including merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that, seller's liability to the buyer at no point for any particular project shall exceed the total purchase price of said product.

PRECAUTIONS:

Avoid contact with eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes. Wash hands thoroughly after handling or before eating with warm, soapy water. Do not take internally. Keep out of reach of children.

WARNING: INJURIOUS TO EYES!

KEEP OUT OF REACH OF CHILDREN!

