Preparation:
Make sure the frame is completely built before mixing the Concrete Countertop Mix. Be sure that the mixing bucket used is clean of any debris from prior use. Measure out all of the additives to be used prior to mixing. This will create a consistent mix when casting multiple pieces.

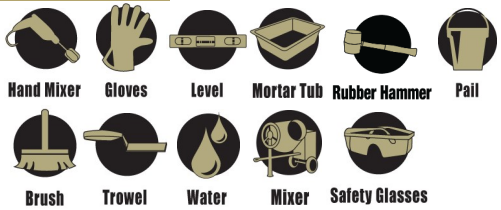
Tools Required:

- Concrete mixer or heavy duty ½" drill (600 RPM or less)
- Drill/ driver and bits
- Saw with a metal-cutting blade or hack saw blade w/ handle
- Caulk gun
- Rubber hammer
- Trowel
- Pliers
- Carpenter square
- Tape measure
- 5 gallon bucket

Materials Needed:

- Melamine-coated particleboard
- Coarse drywall screws
- Colored Pigment (If desired)
- Potable water
- Plastic sheeting
- Styrofoam
- Painters tape & packing tape
- PVC pipe
- Silicone caulk (black or dark color)
- Wire mesh, rebar, wire ties
- Sanding block & palm sander
- Wood shims

Helpful Items:



TECH MIX®

Corporate Office:
Mendota Heights, MN 55120
www.tccmaterials.com

PREMIUM CONCRETE COUNTERTOP MIX™

High Strength • Fast Setting • Pourable

Uses:

- Precast Countertops
- Outdoor Kitchen or Barbeque Top
- Bar or Table Top
- Workbench or Utility Top
- Precast Wall Caps
- Precast Mantels/Lintels

Advantages:

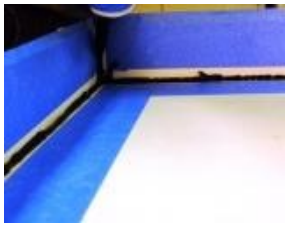
- High Strength-exceeds 5,000 psi at 28 days
- Polymer Modified
- Pourable Consistency
- Sets in 18-24 Hours
- Preblended - Just Add Water

TECH MIX®

Preparation

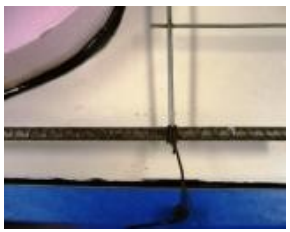
1 Make a form using ¾” melamine coated particleboard to the dimensions desired.

2 Securely fasten sides of forms to base with coarse screws every 6-8 inches. Seal all inside seams using black silicone caulk.



3 Sink Cut Out (if required – otherwise, skip to step 4): Make a sink cut out by using extruded foam equal to the depth of the form. Attach base with black silicone caulk.

4 Reinforcement: In many countertop or precast concrete applications, it will be desirable to use wire mesh or rebar for strength and durability. Level forms before pouring mixture into them.

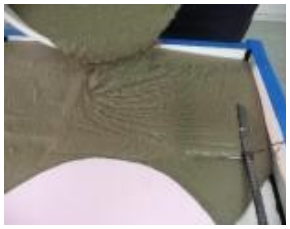


Mixing

5 Mix each 50# bag of Premium Concrete Countertop Mix™ in a five gallon bucket or mortar mixer with 5 to 5.5 pints of clean, potable water for 3 minutes. Allow to sit/slake for 3 minutes, then remix for 2 minutes. Mix time is critical, do not cut short and follow the directions precisely.

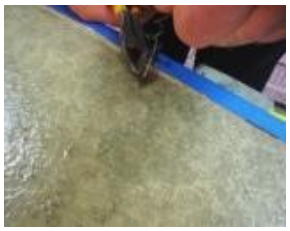
Pouring

6 Fill the countertop form with the mixture. Make sure forms are tapped or vibrated well. Screed excess material.

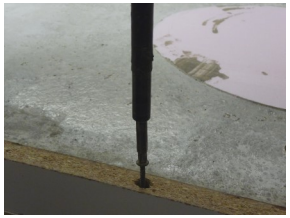


Curing

7 After material has begun to set, normally 1 hour, snip off wire ties holding the wire mesh just below the surface of the countertop mix. Cover with plastic and let it cure for 18-24 hours.



8 In 18-24 hours, you may 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.



Finishing

9 The surface of the countertop can be wet polished or cleaned and sealed, as is, depending on the desired appearance.

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 x 24 x 2)/1728=1 cubic foot. Each 50# bag will yield approximately ⅓ of a cubic foot. So, 1 cubic foot would require 3 bags of product.

CONCRETE TOP SIZING CHART				
	24” L x 24” D	48” L x 24” D	36” L x 12” D	36” L x 24” D
	QUANTITY OF 50 POUND (22.7 kg) BAGS			
1.5” Thick	1.5	3	1	2.25
2” Thick	2	4	1.5	3
3” Thick	3	6	2.25	4.5

All yields are approximate and do not account for waste or uneven forms, etc.