



# COUNTERFORM

CONCRETE COUNTERTOP SOLUTIONS

## White Countertop Mix

### Product Description

Z Counterform Countertop Mix is a pre-blended, all in one, high strength castable concrete mix designed for the creation of concrete countertops. It offers the very best blend of white sand and marble aggregates, white Portland cement and proprietary admixtures to ensure no curling, shrinking or deformation. The use of a specialized acrylic fiber network and the high flexural strength greatly limits the chance of cracking. This highly flowable, near self-leveling mix makes Z Counterform Countertop Mix the perfect choice for both precast and cast-in-place designs and can be cast as thin as 1" for countertop applications.

### Features and Benefits

- Non intrusive fiber system for improved tensile strength.
- Impressive 9700 psi @ 28 days.
- Highly flowable so it will pour easily through our FG50 Mesh and leave limited "honeycomb" in edges.
- Near self leveling properties means minimal effort finishing.
- Can be cast as thin as 1" for countertop applications.
- Quick cure time allows for grinding and polishing 24 hrs later.
- Works with all stains, integral colors and hardeners.
- 50 lb bags.

### Typical Application

Z Counterform Countertop Mix excels at both cast-in-place and precast design applications. It mixes, pours, flows and fills better than any other high performance mix on the market. Its proprietary fiber network provides great tensile strength allowing greater spans and unsupported segments than most other conventional mixes. The white base color provides unlimited design potential.

### Technical Information

Specifications listed for product used at 70 degrees and no adverse conditions.

<b>Initial set</b> .....	2 hrs
<b>Final set</b> .....	5 hrs
<b>Coverage per 50 lb bag:</b> 3 sq. ft. @ 1-5/8" (standard Z Counterform) • 1.9 sq. ft. @ 2-5/8" (Commerical Z Counterform) • 5.7 sq. ft. @ 7/8" (Euro Z Counterform) • 2.5 sq. ft. @ 2"	
<b>Yield per 50 lb bag</b> .....	.43 cu ft
<b>Compressive strength</b> .....	4800 psi at 24 hrs
.....	8500 psi at 7 days
.....	9700 psi at 28 days

## Instructions

**Always make a sample piece with Z Counterform Countertop Mix (or any new product) before officially using to learn certain product characteristics and how they relate to your work flow.**

**MIXING:** Start by adding 2 quarts of water and any integral pigment (optional) to an empty mixing pail. Slowly add in the concrete while mixing with an auger or paddle type mixer. A drum mixer may not evenly disperse the acrylic fibers properly. As the concrete thickens, add one additional quart of water (up to 3 quarts total). For a flowable batter-like consistency that is ideal for most cast-in-place countertop applications 3 quarts should be used. If a dryer mix is desired, 2.75 quarts may be sufficient. Environmental factors such as temperature and humidity can affect the amount of water needed. Remember a small amount of additional water can make a big difference in final strength and mix properties so add water slowly and always measure the amounts. Once all water and concrete are combined, continue to mix for one more minute with a total mixing time of about 3 - 4 minutes to properly blend the ingredients. If adding integral color to the mix be very careful to add precisely the same amount of color to each batch to avoid any noticeable color differences on the final surface. When placing the concrete it should flow and fill forms with minimum effort. When pouring on cement board substrate, mist the cement board with water before pouring to prevent water loss through the substrate. It is always a good idea to use proper vibration techniques for good edge consolidation. The use of a magnesium trowel is recommended to flatten the surface past its self-leveling properties. Do not hard trowel the surface until final set is obtained and all moisture/bleed water has evaporated. Do not overwork the final surface to avoid trowel burn unless that is your desired outcome. Avoid direct sunlight, high air movements and wind or high heat, which can lead to accelerated curing. For precast pours, allow the mix to cure for 24 hours before deforming. Once forms are removed, flip the slab over so the underside can be exposed to air. **NOTE OF CAUTION:** The proprietary fibers used for this mix may become barely visible on the surface after troweling the finish. They will remove naturally through the polishing or sanding process.

**FINISHING:** Allow the surface to cure for at least 24 hours before grinding/polishing. If needed, use a slurry mix like Z Counter-Patch to fill voids near the end of the polishing or sanding process. Final sealing/treating options can be the use of a penetrating sealer/densifier or a topical film forming sealer. Allow this surface to cure for at least 4-5 days before sealing. **NOTE:** some sealers may require a longer cure time.

**CAUTIONS:** The temperature of the mixed material should be between 60 °F to 80 °F for ideal working properties. Use only potable water for mixing. When mixing material, the water-to-powder ratio is very critical. **DO NOT** vary the specified water amount or over water. Do not apply to overly cold or hot surfaces. Colder temperatures will extend open time and reduce rate of strength gain. Countertops made with Z Counterform Countertop Mix are subject to typical concrete staining, wear and abrasion, and should always be sealed for added surface protection, pigment color retention and scratch resistance.

**WARNINGS:** Contains cement and silica, avoid inhalation of dust. Wear gloves, safety goggles, and OSHA approved dust respirator during mixing and placement. Refer to product M.S.D.S. (Material Safety Data Sheet) for additional safety information. Do not take internally. Avoid prolonged contact with skin. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN**

**LIMITED WARRANTY:** This product is warranted to be of merchantable quality when used according to the Instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.