

WHITE BENCHTOP MIX



COUNTERFORM
CONCRETE COUNTERTOP SOLUTIONS

Z Counterform Benchtop Mix is a pre-blended, all in one, high strength cast-able concrete mix designed for the creation of concrete benchtops. 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 fibre network and the high flexural strength greatly limits the chance of cracking.

This highly flow-able, near self-levelling mix makes Z Counterform Benchtop Mix the perfect choice for both pre-cast and cast in-place designs and can be cast as thin as 25mm for benchtop applications.

PER BAG

THICKNESS	YIELD
CBM	0.012 m ³
30mm	0.44 m ²
57mm	0.25 m ²

Features and Benefits

- Non intrusive fibre system for improved tensile strength.
- Impressive 66,000 MPA (9700 psi) @ 28 days.
- Highly flow-able so it will pour easily through our FG50 Mesh and leave limited "honeycomb" in edges.
- Near self levelling properties means minimal effort finishing.
- Can be cast as thin as 25mm for benchtop applications.
- Quick cure time allows for grinding and polishing 24 hrs. later.
- Works with all stains, integral colours and hardeners.
- 22 kg bags.

Typical Application

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



22 kg NET

Specifications listed for product used at 21°C and no adverse conditions.

Working time:	2-3 hours
Initial set:	2 hours
Final set:	5 hours
Compressive Strength @ 24hrs, 7days, 30 days:	33, 58, 66 MPA (4800, 8500, 9700 PSI)
Coverage (per bag)	0.012 cubic m. 0.44 sq.m. @ 30mm (Euro Z Counterform) 0.25 sq.m. @ 57mm thick (Standard Z Counterform)

Set times are only a guidelines and can greatly vary depending on environmental factors such as temperature, humidity, direct sunlight and air movement. This information is given in good faith and is believed to be accurate and reliable at the time of publication, however no guarantee or representation is made in respect to the product or its suitability for a particular use. Specifications are subject to change due to continual product improvement.



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

PER BAG

THICKNESS	YIELD
CBM	0.012 m ³
30mm	0.44 m ²
57mm	0.25 m ²

MIXING INSTRUCTIONS

1. Start by adding 2.5 litres of water and any integral pigment (optional) to an empty mixing bucket.
2. Slowly add in the concrete while mixing with an auger or paddle type mixer. A drum mixer may not evenly disperse the acrylic fibres properly. As the concrete thickens, continue to add an additional 600ml of water up to 3.1 litres max total. For a flow-able batter-like consistency that is ideal for most cast-in-place countertop applications, 3.1 litres should be used.

If a dryer mix is desired, 2.9 litres of water 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.

3. 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 colour to the mix be very careful to add precisely the same amount of colour to each batch to avoid any noticeable colour differences on the final surface.

4. 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-levelling 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 pre-cast 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 fibres used for this mix may become barely visible.

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 sealer's may require a longer cure time.

CAUTIONS: The temperature of the mixed material should be between 15 C to 26 C 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. Benchtops made with Z Counterform Benchtop Mix are subject to typical concrete staining, wear and abrasion, and should always be sealed for added surface protection, pigment colour retention and scratch resistance.



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Concrete Benchtop Solutions 105 Life Science Dr, Scott Township PA,18447
www.concreteBenchtopolutions.com

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.
ALWAYS PRODUCE A TEST PIECE BEFORE USE.



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