



# Fast Stone<sup>®</sup> C

Fast Setting Cement for Counter Tops

Fast Stone<sup>®</sup> C cement mix is specially formulated for the counter top and vanity caster's need for faster setting hydraulic cement mixes that can be pigmented, ground and polished to give a wide range of colors and looks.

- Cement, accelerator, white pozzolan, sand (optional) are all in the bag
- Demoldable in 4 hours, or less
- 125 lbs. per cubic foot
- Add water, VF-774, plasticizer and pigment and AR fibers in the backing mix
- Can be hand mixed or processed through a Rimcaster Continuous Mixer
- Conventional aggregates or synthetic aggregates used in the solid surface industry can be added to obtain a wide range of looks.



Fast Stone<sup>®</sup> C is comprised of white Portland cement, Qwix<sup>®</sup> and VCAS pozzolan in specific ratios to insure a high quality, dense and low absorption matrix. The Portland/Qwix<sup>®</sup>/VCAS ratios reduce normal Portland cement demold times from overnight to 4 hours, or less, using regular production techniques or the Rimcaster Continuous Mixer.

The formula is designed to reduce the typical porosity associated with concrete and give a hard, dense surface when demolded that is easily ground or polished .

The Fast Stone<sup>®</sup> C formula is available either with sand included or without sand. In either case, additional aggregates may be added to achieve certain architectural or designer looks.

Fast Stone<sup>®</sup> C is formulated to be mixed with pigments, Forton<sup>®</sup> VF-774, water, plasticizer and AR fibers to achieve the producer's required results.

Fast Stone<sup>®</sup> C and CS incorporate 19% and 10%, respectively, of recycled post industrial waste in the bag.

Fast Stone<sup>®</sup> Retarder is available to increase the working time without increasing the demolding time.

[www.Ball-Consulting-Ltd.com](http://www.Ball-Consulting-Ltd.com)

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## Mix Design

	<b>C</b>	<b>CS</b>
Fast Stone®	50 lbs.	50 lbs.
Add. Aggregate	< 16 lbs.	< 16lbs.
Sand	42.5 lbs.	
VF-774	5 lbs.	2.5 lbs.
Water	12 lbs.	6.5 lbs.
Plasticizer	3-5 oz.	2-4 oz.
AR Fiber 12mm max.	3.3 lbs	1.8 lbs.
W/CM ratio	.31	.31
Fiber % by weight of total mix	.5 to 3%	

**Hand Mix Sequence:** Put water, polymer, plasticizer, pigment and retarder in the bucket first. While mixing, slowly add additional aggregate, if used. If no additional aggregate is used, directly add the Fast Stone C to the liquid while mixing.

Mix until creamy. If the AR fiber is not already in the mix, add the proper amount at this time.

**Do not over mix after the fiber has been added.**



- Retarder dosage, start with 10 g per 50 lbs of cement.
- Recommended mixing bucket for full bag mixes is available from Consolidated Plastics (800-362-1000). [www.consolidatedplastics.com](http://www.consolidatedplastics.com). 10 gal Brute recycle bucket #054037LY
- Recommended mixer for 5 or 10 gallon bucket mixes is the M 140, in a drill with greater than 850 rpms.
- Do not use a W/CM great than .36.
- Cover with plastic after casting to insure demolding time.



### Notes:

- The W/CM ratio, water temperature, plant temperature and amount of retarder will influence the working times of Fast Stone® C and CS.

### Typical Physical Properties

Drying Shrinkage	C-596	-.142%
Compressive Strength	C-109	
	24 hours	2,190 psi
	7 days	5,730 psi
	28 days	9,400 psi
Density		125 pcf

**Special Formulations:** Based on volume, Ball Consulting, Ltd. can customize special formulations to meet your needs.

**Packaging:** Fast Stone® C and CS are available in 50 lb. bags or super sacks.

Fast Stone® and Fast Stone LT® are trademarks of Ball Consulting Ltd., Ambridge, PA  
Qwix® is patented and trademarked by the Ultimex Cement Mfg. Corp Huntington Beach, CA.

It is produced by Buzzi Unicem Corp.

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