

Plan your next D.I.Y. project right from the start.

These Build It D.I.Y. brochures have been compiled especially for you to help you through every step of your home D.I.Y. projects.

We've given you expert advice on what materials you'll need and step-by-step instructions on how to get the job done right, first time.

Please feel free to visit any of our stores and speak to one of our consultants on advice about your projects.



Getting the correct ratio & consistency of materials is essential for really strong concrete





Find your local store using our Store Locator at

www.buildit.co.za



Concrete mixing Ratios



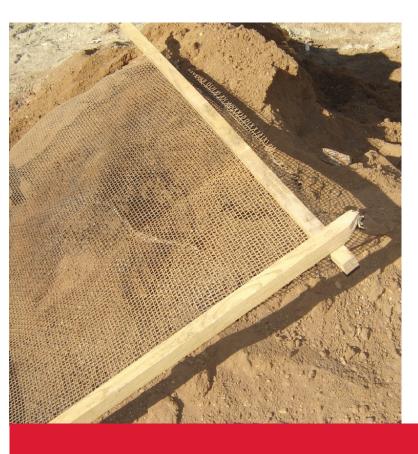


WHAT IS THE CORRECT BATCH RATIO FOR MIXING CONCRETE?

The ratio of cement to river sand and stone determines the strength of the concrete. Here is a cheat sheet to ensure that you have the right strength of concrete for the job.

TOOLS REQUIRED

- Bucket / Tin
- Spade
- Wheelbarrow



LARGE BATCHES

Low-strength concrete suitable for house foundations.

Cement	River Sand	Stone	
M CEMENT	Toto	Toto	
1 Bag	2 Wheelbarrows	2 Wheelbarrows	

To make 1 cubic metre of concrete you will need: $5\frac{1}{2}$ bags cement + 0,75 cubic metres sand + 0,75 cubic metres stone.

Medium-strength concrete suitable for domestic floors, footpaths and driveways.

Cement	River Sand	Stone	
TEMENT CEMENT	Tot	Tot	
1 Bag	11/2 Wheelbarrows	11/2 Wheelbarrows	

To make 1 cubic metre of concrete you will need: 7 bags cement + 0,70 cubic metres sand + 0,70 cubic metres stone.

High-strength concrete suitable for precast concrete, heavy-duty floors.

Cement	River Sand	Stone	
15 Mpa	To	To	
1 Bag	1 Wheelbarrows	1 Wheelbarrows	

To make 1 cubic metre of concrete you will need: 10 bags cement + 0,65 cubic metres sand + 0,65 cubic metres stone.

SMALL BATCHES

Use containers such as buckets, drums or tins. Use the same size container for measuring all the materials in a batch.

	С	ement	River Sand	Stone
Low-strength concrete	15 Mpa		31/2	31/2
		<u> </u>	3. ₇₂	3 ¹ / ₂
Medium-strength concrete	25 Mpa		996	996
		1	2 ¹/ ₂	2 ¹ / ₂
High-strength concrete	30 Mpa		DE	95
	டீ	1	1 3/ ₄	1 ³ / ₄

