



Mixing concrete on site and making it waterproof.

You will need to make some gauges. I use two buckets for the ballast and a pot for the sharp sand. I cut bags of cement in half with a hand saw.

A typical batch will be
30 litres of ballast
2 litres of sharp sand
half a bag of cement
start with 2 litres of water
correct dose of liquid admixture purchased from us.

This makes 30 litres of concrete since the fine sand, cement and water will fill the spaces between the larger stones rather than increasing the volume of the concrete.

You will get a measure with your liquid admixture. You need to add a minimum of 500ml per cubic metre. No more than 1 litre per cubic metre.

Therefore, in the mix above, you add:
30 divided by 1000 times 500.
A minimum of 15ml. A maximum of 30ml.

Add more water very slowly until the concrete flows, but is not runny, in the mixer.

Mixing concrete by hand is very expensive compared to full loads of readymix. You should probably only mix by hand where readymix would be too much at once unless you paid a lot extra for a small delivery or extra time on site.

There is no need to buy retarder for hand mixed concrete.

Wash the mixer every hour so that it is easy to keep clean.

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