

# How to mix concrete

## using Blue Circle Cement

### Materials and Tools

- Blue Circle Cement
- Building sand
- 20mm gravel
- Water
- Concrete mixer
- Shovel
- Trowel
- Wheelbarrow
- Wooden mixing board
- Water measuring container
- Safety gear

### Step by step guide

- 1. Measure the Dry Materials** - For a standard concrete use one bag of Blue Circle Mastercrete cement mixed with two bags of building sand and three bags of 20mm gravel. Always double check the recommended material ratios from instructions on the bag.



- 2. Mixing Concrete Using a Mixer** - When using a mixer ensure it is sited on firm, level ground. Pour in half the sand, gravel and water and most of the cement. Once combined, gradually add the remainder of the materials.

Mix the concrete for 3-5 minutes until uniform in consistency and colour before pouring. Avoid any build up of dry materials on the mixer blades. Always clean out the mixer after use.



- 3. Mixing Concrete by Hand** - Using a clean mixing board measure out the sand, gravel and cement as per the proportions on the Mastercrete cement bag and mix dry until well blended.



Forming a crater in the centre add some of the water, pulling the dry material inwards onto the water and mix together.



Be sure to add all the water as per the instructions and mix thoroughly until uniform in consistency and colour before laying the concrete.



Once fully mixed, use the concrete promptly to ensure optimum workability.

Clean your tools promptly after finishing to prevent any material from hardening on them.

4. **Blue Circle Ready-to-Use Range** - As an alternative to mixing separate materials you can use any of the pre-mixed, ready-to-use Blue Circle concretes or mortars straight from the bag by just adding water.



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