

ARMCON

How many
moulds will a
25Kg bag of
cement fill?

- In a Precast Works

ARMCON
CERTAINTY: IN CONCRETE

25Kgs Cement – How much is that in Concrete?

The reason for doing this is so that you can track how much cement you buy in to how much concrete is going out – meaning that you can check that your cement (the most expensive ingredient) is getting used to its full potential.

So how many moulds will a 25Kg bag produce.

Well first thing to ask yourself is how much concrete will 25Kg produce.

so...

1. Find out how much concrete you can produce using the 25kg bag.
 - Have a look at our other book – How to produce a perfect paver – this suggests a 4 to 1 mix. That is 2 parts sand, 2 stone, 1 sand and enough water and plasticiser to make a good mix. However this is just a guide, so once you have figured out your best and most efficient concrete mix then you will know how much concrete 25 kg of cement will produce.
 - Lets base the mix on the basic 4 to 1. (Your mix should be a lot better than this) that means that for 25Kg of cement and 100Kg of aggregate then take around 16Kg of water and admixture (roughly speaking). If each paver is then 3Kg – you know that you can produce 47 pavers using this amount of mix.
2. So that's it solved? – Well not really, that way will let you know how much you are producing by weight, really you want to know how much you are producing by volume.
 - This is because you can calculate the volume of each mould easier than guessing the weight.
 - So to figure out a volume you times the length by width by height. For more complicated areas go to <http://www.math.com/tables/geometry/volumes.htm> . You can figure out the area of your product easily.
 - Now work out how much volume your 25Kg cement concrete will produce. (depening on the amount of aggregate)
 - Once you have this figure you can find out how many moulds you can fill using your 25Kg of cement mix.

The key is to make sure that you work out how much your mix will fill. Then if you keep that consistency, you will ensure that your happy (as you know what you are spending) your customers are happy (as you will have a consistent quality) and that your concrete is the best it can be.