

Glaze to Water Ratio

How many Kgs of glaze powder would I need to buy to mix up a 20 litre bucket?

As a general rule for most powder glazes mixed for dipping/pouring to an average specific-gravity of 1.4 (1.4 times heavier than water for a set amount of liquid) :-

1kg glaze powder makes around 1.54 litres liquid glaze.

Therefore, to make 20 litres of glaze slop you need 13kgs. 5Kgs of glaze powder will make 7.7 litres glaze slop. If you mix to a higher Specific Gravity i.e. thicker mixture, you will need less water.

To measure Specific Gravity (SG) carefully pour exactly one litre of the liquid into a container of a known weight, weigh it and deduct the weight of the container, that's your SG. Specific Gravity is just the weight of one litre of a substance, water has a gravity of 1.

For further advice please contact Potclays Technical Department.