HOW TO

Install and lay a concrete slab



What You will Need

- Wheelbarrow
- ☐ Shovel
- Level
- ☐ Screed / float / trowel
- ☐ Broom
- ☐ Hammer
- ☐ Pre-prepared formwork
- Measuring jug
- ☐ Plastic sheeting to cover slab while curing







Coverage Guide

 $1 \times 20 \text{kg Bag} = 0.01 \text{m}^3 / 100 \text{ Bags} = 1.0 \text{m}^3$

Number of bags required for 75mm thick slab

Length x width	45cm	65cm	90cm	110cm	135cm	160cm	180cm
50cm	2	3	4	5	6	6	7
60cm	2	3	5	5	7	8	9
70cm	3	4	5	6	8	9	10
80cm	3	4	6	7	9	10	10
90cm	4	5	7	8	11	12	13
100cm	4	5	7	8	10	12	14

Safety

Wear protective gloves, eye wear and a face mask when using dry ingredients.



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Directions



Step 1

Make sure your project is properly laid out with all the necessary tools ready. Prepare and level formwork.



Step 2

Pour required amount of concrete into a wheelbarrow or mixer. Create a well if mixing in a wheelbarrow. Use the coverage table to calculate the quantity.



Step 3

Calculate the amount of water you will need. One 20kg bag of concrete requires 2-2.3 litres of water (milk cartons make handy measures). Pour water gradually into the centre of your hollow.



Step 4

Mix with a shovel as you go to ensure you get a good consistency. Do not add water after the concrete has been mixed, as this reduces the strength of the concrete.



Step 5

Pour your mix into your pre-prepared formwork, making sure you fill the edges and corners.



Step 6

Smooth the surface using a screed or trowel depending on the size of the area. When the surface is level, use a float or trowel to achieve a smooth finish. Use a broom to apply surface texture if so desired.

Handy hints

- · Use a shovel to remove air bubbles or tap the formwork with a hammer.
- Leave the slab to stand for approximately one hour before trowelling to the desired finish.
- Cure your slab by keeping it moist for seven days. Plastic sheeting helps.



