

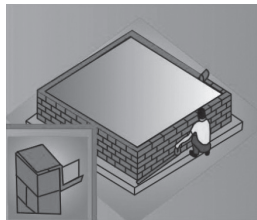
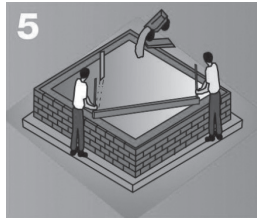
BACKFILLING, USB & SLAB Cont...

Preparing to lay the slab

Any electrical conducting or plumbing must be put into position before the slab is poured. Consult the electrician or plumber. Plug ends of all piping to ensure concrete cannot get in. All fabric reinforcement must be set above USB before the concrete is poured.

Laying the slab

Mix concrete for the slab and pour onto the USB, starting furthest from the mixing point. Level the concrete to the top of the walls using a straight board as shown. Clean excess concrete off the top of the foundation wall, ready to receive the DPC layer.



We say
Yes
to getting
the job
done right



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your home for

generations



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Foundations

Brickwork, Backfilling,
USB & Slab



B

HOW TO LAY FOUNDATION BRICKWORK

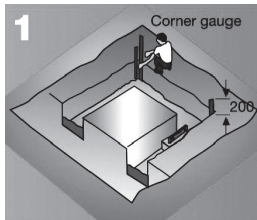
After the concrete base has set, take some time to mark the position of the walls and establish the corner posts against which the foundation walls will be built. This step is important to make sure the footings are level and in the correct place for the building.

TOOLS REQUIRED

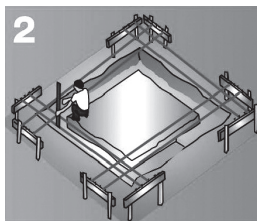
- Spirit level
- Builders line
- Spade
- Hammer
- Square
- Compactor
- Brick course gauge
- Wooden or aluminium straight edge
- Wheelbarrow
- Pick

FOUNDATION BRICKWORK

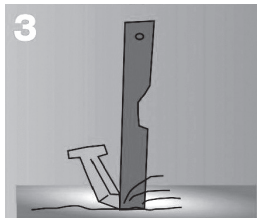
Find the corner with the highest foundation level. Put a peg in at this part, making sure it is long enough to extend 200mm above ground level. Mark brick courses on this peg with a course gauge. Put pegs in all other corners in the same way making sure they are all level with the first peg. (Use a water gauge to check the level).



Put strings back onto the nails marking the wall position.

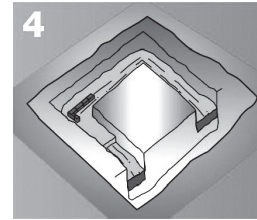


Mark the wall position on the foundation concrete, using the strings as a reference and a spirit level to ensure the position is correct. A chalk line can be used to mark the position once two ends are marked.

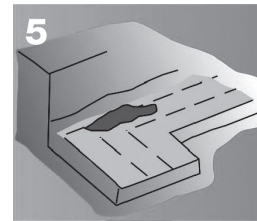


FOUNDATION BRICKWORK Cont...

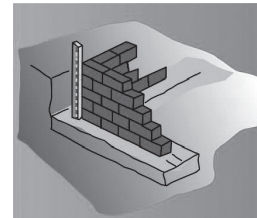
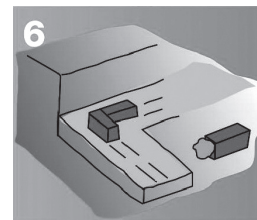
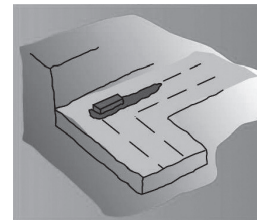
Remove the strings and use a chisel to mark the chalk line into the concrete.



Lay bricks dry on the concrete foundation to form a corner. Check that joints are 10mm apart and mark the concrete accordingly. Remove bricks, lay a bed of mortar and set bricks as marked, making sure joints are 10mm apart. Build up corners, making sure courses are level and plumb.



Build up all corners, making sure each corner is level with the others by checking against the corner pegs. When corners are complete, build the walls between the corner sections to 200mm above ground level. Some sections may be higher.



HOW TO COMPLETE FOUNDATIONS

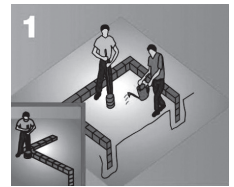
Once you have completed the brickwork for your foundations, they need to be backfilled and waterproofed (USB) before you lay a slab to complete the foundations and start building. Here is your step-by-step guide.

TOOLS REQUIRED

- Spirit level
- Spade
- Square
- Compactor
- Wooden or aluminium straight edge
- Wheelbarrow
- Pick

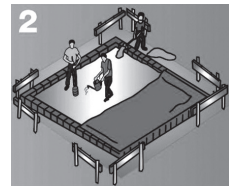
BACKFILLING, USB & SLAB

When foundation walls are set, start backfilling with rubble and sand. Make sure the fill is compacted and does not contain vegetation. Use water to ensure compaction. Backfill to 120mm below wall level.



Laying USB

Lay a 20mm layer of sand (sifted) over backfill before laying USB. Note: If foundation filling needs to be treated for termites, it must be done at this stage. Start laying USB over sand layer.



USB must cover the sides and go halfway over the foundation wall. Tuck USB into corners, hold into position with bricks. All overlaps must be 300mm and should be folded and sealed with jointing tape.

