Screwdriving and drilling in masonry and concrete

Procedure:

The basics of wall mounting

What would walls look like if there were no screws? Here you will find out how to effortlessly fit light fixtures, shelves and more, and most importantly how to drill correctly.

1 First select the suitable screws and matching fixings for your requirements. Expansion plugs are usually used for wall mounting.
2 An impact drill is ideal for drilling in classical masonry. If you want to drill into very hard concrete, you may require a rotary hammer.
3 Use an inspection device to ensure that you do not accidentally drill into a cable or pipe. Wear protective glasses when drilling.
4 Determine the exact position of the holes and mark them using a pencil. A cross line laser will make this task easier for you.
5 Choose a masonry drill bit with the same diameter as the fixing you want to use. Mount the drill bit securely in the centre of the chuck.
6 Place the drill bit tip perpendicular to the wall. If you do not exactly know the condition of the wall material, start drilling without impact and only switch the impact function on when there is resistance. Do not apply pressure to the machine until the drill bit has gripped firmly in the material.
7 Drill the hole so that it is deep enough for both the fixing and the screw to fit into fully. Use a depth stop if necessary. Leave the drill bit running at low speed when you pull it out.
8 Remove the drilling dust from the hole. This will ensure that the fixing has better grip.
9 (Cordless) screwdrivers and (cordless) drill/drivers are ideal for screwdriving. If you only need to drive screws occasionally, you can also use a drill.
10 Make sure that the bit you use in your tool fits the screw perfectly. Otherwise it might slip out of the screw during screwdriving. “Torx” screws offer the best grip, “cross head” screws (technical term: Pozidriv or Philips) are generally better suited than slotted screws.

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