

**PG850 Super Professional Tile  
Drilling User Instructions**  
***PG850 Anleitung zum  
Hochprofessionellen Fliesenbohren***

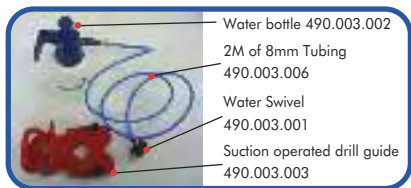


## 2 English



**Congratulations on buying a Marcryst PG850 tile drill. Please read the following information carefully before use.**

### Accessories



### Safety

Ensure all machine safety instructions are followed as per manufacturer's guidelines.



Make sure that the position for drilling is free from hidden cables and pipes.

Ensure workspace is secure with no slippage.

Ensure appropriate personal protection equipment is worn.

## User Instructions

The following steps will ensure maximum life and performance from your diamond drill:

1. Fill the water bottle to the required level with water. Replace the top and tighten.
2. Connect one end of the plastic tubing to the outlet fitting on the bottle. Ensure that the button on the handle is in the up position.



3. Connect the other end of the plastic tubing to inlet on the water swivel.



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4. Fit the shaft of the water swivel into the chuck of the drill. This can be a cordless drill. Ensure manufacturer's guidelines are followed. If the machine has a hammer function, ensure that this is off.



5. Screw a PG850 tile drill onto the thread of the water swivel until hand tight.



6. Select appropriate speed for drilling. This depends on hardness of material and size of hole being drilled.

## General



800rpm

↓  
1500rpm

ø112mm PG850 Tile drill

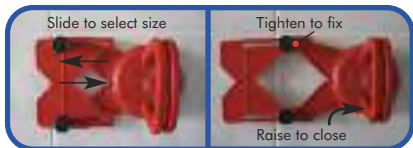
↓  
ø6mm PG850 Tile drill

Slower speeds are recommended for larger diameters and harder materials.

7. Mark the position of the hole to be drilled on the tile.
8. Place drill guide onto the tile so the centre of the guide is positioned where the hole is required.
9. Press and hold the suction pad of the guide to the surface of the tile and close the handle.

**Avoid placing the suction pad over grout lines or using on rough surface tiles as this can prevent the suction from holding.**

10. Adjust the guide to accommodate the required tile drill diameter by sliding the top plate until the appropriate size is selected. Tighten the screws to fix the position.



11. Pump up pressure into the water bottle by giving repeated pumping strokes with the pump handle.
12. When you are ready to commence drilling, depress the button on the water bottle handle and push forward into the lock position.



13. After a few seconds a steady trickle of water should flow to the end of the drill bit.
14. Commence drilling by placing the tip of the drill bit into selected area in the guide square against the tile surface.





**Always ensure that there is a steady flow of water to the tip of the drill and keep it cool. Do not let the drilling bit run dry.**

**This will cause it to become hot and will reduce life, performance and could result in breakage or damage to the drill bit.**

15. Continue drilling until the hole is started by a couple of millimetres. Remove drill from tile.
16. Remove guide by opening the handle.
17. Place drill bit on started hole and continue to drill through the tile using only a light constant pressure and ensuring water cooling is maintained.

**Using heavy pressure or forcing the drilling process can damage or break the crown of the drill.**

18. Upon breakthrough of the tile, stop drilling and depress the lock button on the water bottle handle, so that it returns to the "up" position to stop the flow of water.
19. Remove the drill from the tile as straight as possible.

**Tilting or removing the drill at an angle can put strain on the drill crown and cause it to break.**

20. Switch off the power if using an electric drill.
21. Once completed remove the extracted tile ("slug") from the tile drill.

**Care should be taken in doing this. forcing it out at an angle can put strain on the drill crown and cause it to break.**

22. If the drill bit is blocked, unscrew it from the water swivel and push it out through the threaded end with a small pin or screwdriver.
23. Disconnect the water swivel from the drill and the piping from the water bottle and water swivel by pushing in blue release collar and pulling on tubing.



24. Empty any remaining water in the bottle and clean all parts before returning to the box.

**Diamond tools are relatively fragile and require care in use, handling and storage. When not in use protect the tool by storing in its protective foam toolbox.**



When using electric drills with water a PRCD switch must be used at all times. Failure to do so can result in serious injury or death.

Failure to wear protective clothing or to follow these user instructions can result in serious injury.



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