

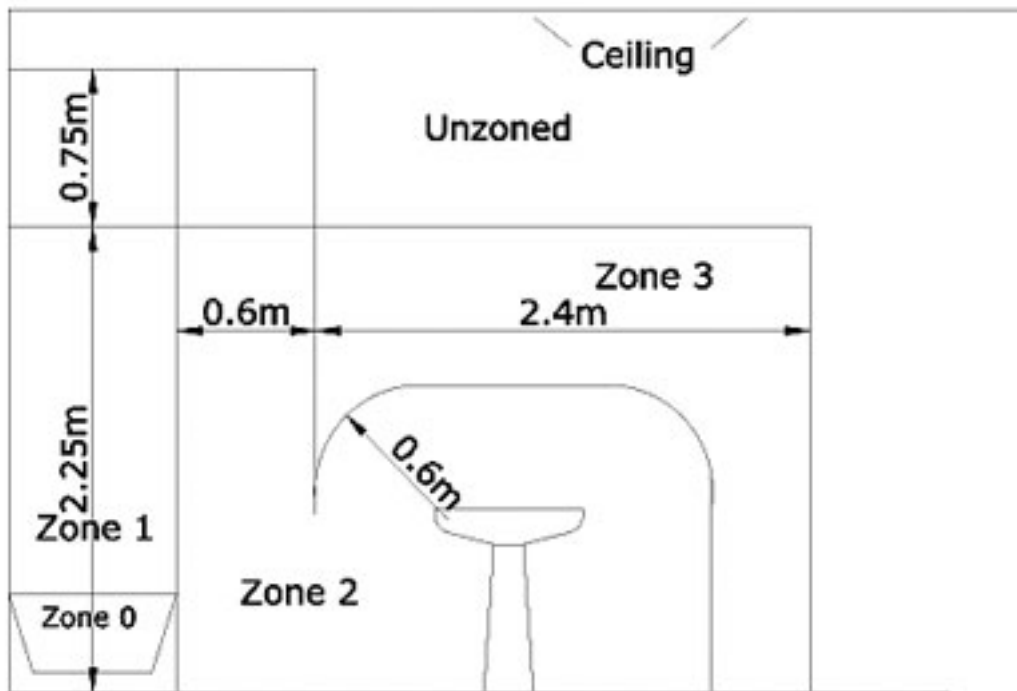
Bathroom Zones

Using electrical equipment in bath or shower rooms has always needed care to ensure safety. Now the IEE Wiring Regulations (16th Edition) have identified particular zone within the bath-room to indicate what type of electrical equipment that can be installed.

This page is given for guidance only, always refer to the current IEE Regulations or a qualified electrician to ensure that you are guided by the latest regulations/code of practise.

The Zones

The zones are identified from 0 to 3, with 0 being the wettest.



Zone 0:- The interior of the bath or shower which can hold water

Zone 1:- The area directly above Zone 0 limited vertically to 2.25m above the bottom of the bath or shower.

Zone 2:-The area beyond zones 0 and 1, 0.6m horizontally and up to 2.25m vertically. Zone 2 also included any window with a sill next to the bath.

Zone 3:- The area beyond zones 2, 2.4m horizontally and upto 2.25m vertically.

NOTE:

Where ceiling heights exceed 2.25m, the zones are effectively up to 3m - beyond 3m, the walls are out of scope.

Basins are not covered, however they are usually considered to be zone 2.

Providing that the space under the bath cannot be accessed without using tools, that space is considered to be out of scope

Use of Equipment

Any Electrical item approved for use in a Zone may be used in another zone of a higher number, but not in a lower number zone.

Zone 0:-Only protection by SELV at a nominal voltage not exceeding 12v rms. AC or 30v ripple-free DC is permitted, the safety source being outside zones 0, 1 and 2.

Zone 1 :-Requires electrical products to be IPx4 or better, or SELV with the safety source being outside zones 0, 1 and 2.

Zone 2:-Requires electrical products to be IPx4 or better, or SELV with safety source being outside zones 0, 1 and 2.

Zone 3:-The regulations do not specify any IP number for zone 3, however reference should be made to the manufacturers data in case it indicates any exclusion. Portable electrical equipment is not permitted other than that using a SELV or shaver unit.