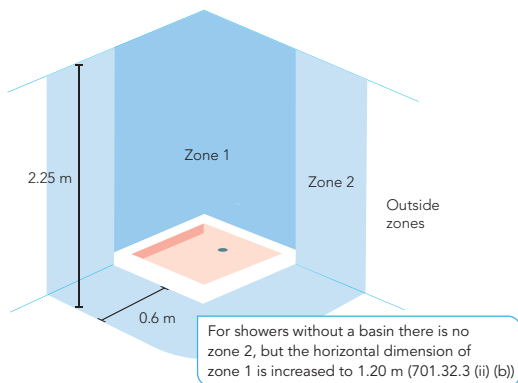
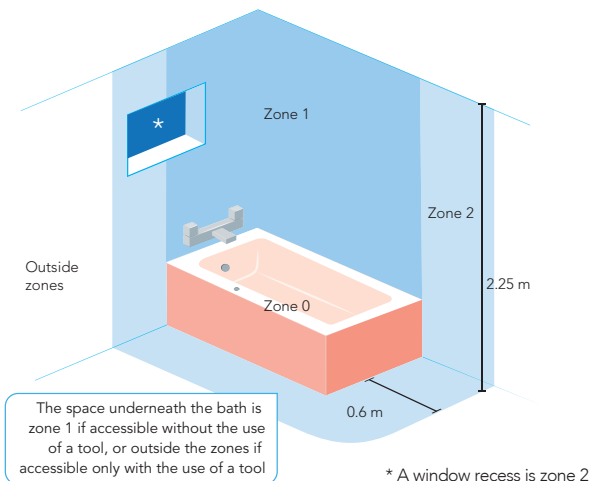


GUIDE TO SITING EQUIPMENT IN A LOCATION CONTAINING A BATH OR SHOWER

The general requirements in Parts 1 to 6 of the Regulations are applicable within the zones of a location containing a bath or shower but are supplemented by the additional requirements in Part 701 of BS 7671.



Notes:

- All low voltage circuits either serving the location or passing through zones 1 and/or 2 but not serving the location must have additional protection provided by one or more RCDs that have a rated residual operating current ($I_{\Delta n}$) not exceeding 30 mA (701.411.3.3).
- Providing all final circuits of the location have additional protection, meet the requirements for automatic disconnection and the installation is fitted with effective protective equipotential bonding, then supplementary equipotential bonding may be omitted (701.415.2).

Details of installed equipment	Zone			
	Outside zones	2	1	0
230 V wall mounted plate switch		✗	✗	✗
Luminaire			Note 3	✗
SELV or PELV safety source		✗	✗	✗
Shaver supply unit		Note 2	✗	✗
Ventilation equipment			Note 3	✗
Pull cord switch mechanism		✗	✗	✗
Insulated pull cord				✗
SELV switches/socket-outlets			Note 6	✗
Switches or controls in fixed current-using equipment suitable for use in the zone				✗
Whirlpool unit, electric shower, shower pump, towel rail or water heating appliance			Note 3	✗
Equipment, such as a fan or light, protected by SELV or PELV at a nominal voltage not exceeding 25 V AC rms or 60 V ripple-free DC			Note 3	✗
Equipment, such as a light, protected by SELV at a nominal voltage not exceeding 12 V AC rms or 30 V ripple-free DC				Note 4
230 V socket outlet	Note 1	✗	✗	✗

Note 1 Prohibited within a distance of 3 m horizontally from the boundary of zone 1 (701.512.3).

Note 2 A shaver supply unit must be to BS EN 61558-2-5 (701.512.3). The requirement for a degree of protection of a minimum of IPX4 in zone 2 does not apply to shaver units situated where direct spray from showers is unlikely (701.512.2).

Note 3 Equipment must be fixed, permanently connected, and suitable for zone 1 according to the manufacturer's instructions (701.55).

Note 4 Equipment must be fixed, permanently connected, and suitable for zone 0 according to the manufacturer's instructions (701.55).

Note 5 The general requirements in Parts 1 to 6 of the Regulations are applicable outside of the zones including Regulation 512.2.1, which requires equipment to be of a design appropriate to the situation in which it is to be used or its mode of installation must take account of the conditions likely to be encountered.

Note 6 Only SELV switches permitted, which must be supplied at a nominal voltage not exceeding 12 V AC rms or 30 V ripple-free DC.

- Equipment must have protection of at least IPX4 (IPX5 if water jets are likely).
 - Equipment must have protection of at least IPX7
- (701.512.2)