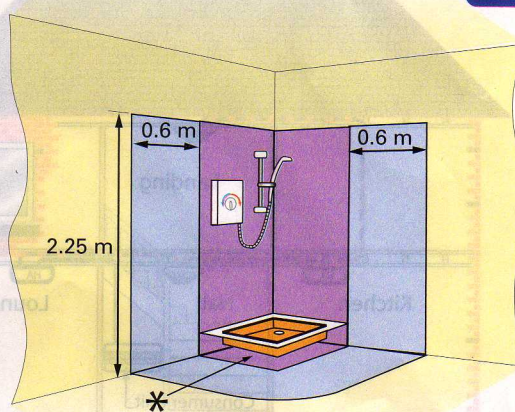
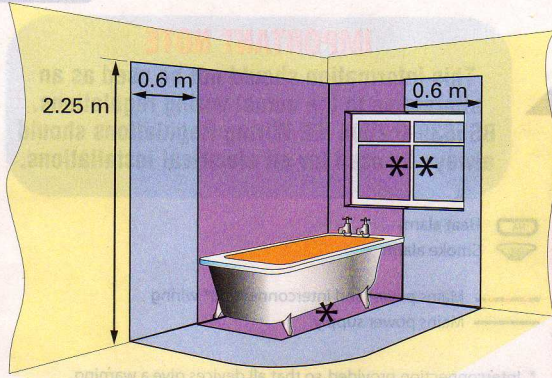


GUIDE TO SITING EQUIPMENT IN A LOCATION CONTAINING A BATH OR SHOWER



- Zone 0
 - Zone 1
 - Zone 2
 - Outside of zones
- * Zone 1 if the space is accessible without the use of a tool. Spaces under the bath or shower tray accessible only with the use of a tool are outside the zones
- ** Window recess Zone 2

IMPORTANT NOTE
 This information should not be used as an alternative to the actual wiring regulations. IEE Wiring Regulations should always be used for all electrical installations.

- NOTES**
- All circuits of the location must have additional protection provided by one or more RCDs that have a rated residual operating current ($I_{\Delta n}$) not exceeding 30mA and an operating time not exceeding 40 ms at a residual current of 5 $I_{\Delta n}$ (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 main equipotential bonding, then supplementary equipotential bonding may be omitted (701.415.2).

ZONE	OUTSIDE OF ZONES Note 5	2 Note 6 IPX4†	1 Note 6 IPX4†	0 Note 6 IPX7††
230V wall mounted plate switch		X	X	X
Luminaire			Note 3	X
SELV or PELV safety source		X	X	X
Shaver supply unit		Note 2	X	X
Ventilation equipment			Note 3	X
Pull cord switch mechanism		X	X	X
Insulated pull cord				
SELV switches/socket-outlets		Note 8	Note 7	X
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	X
Equipment, such as a fan or light, protected by SELV or PELV at a nominal voltage not exceeding 25V a.c. rms or 60V ripple-free d.c.			Note 3	X
Equipment, such as a light, protected by SELV at a nominal voltage not exceeding 12V a.c. rms or 30V ripple-free d.c.				Note 4
230V socket-outlet	Note 1	X	X	X

- Note 1** Prohibited within a distance of 3m horizontally from the boundary of zone 1.
- Note 2** A shaver supply unit must be to BS EN 61558-2-5. 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.
- Note 3** Equipment must be fixed, permanently connected, and suitable for zone 1 according to the manufacturer's instructions.
- Note 4** Equipment must be fixed, permanently connected, and suitable for zone 0 according to the manufacturer's instructions.
- 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** 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.
- Note 7** Only SELV switches permitted, which must be supplied at a nominal voltage not exceeding 12 V a.c. rms or 30V ripple-free D.C.
- Note 8** SELV switches and socket-outlets permitted.
- † Equipment must have protection of at least IPX4 (IPX5 if water jets are likely).
- †† Equipment must have protection of at least IPX7.