

▼ **Table 1.2** Summary of requirements for equipment (current-using and accessories) in locations containing a bath or shower

Zone*	Requirements for equipment in the zones		
	Minimum degree of protection	Current-using equipment, e.g. appliance or luminaire	Switchgear, controlgear and accessories
0	IPX7	Only suitable 12 V a.c. rms or 30 V ripple-free d.c. SELV fixed and permanently connected equipment that cannot be located elsewhere, the safety source being installed outside the zones.	None allowed.
1	IPX4 (Electrical equipment exposed to water jets, e.g. for cleaning purposes, shall have a degree of protection of at least IPX5)	The following fixed and permanently connected current-using equipment if suitable for installation in zone 1 according to the manufacturer's instructions: <ul style="list-style-type: none"> <li>• Whirlpool units (e.g. hot tubs and whirlpool baths)</li> <li>• Electric showers</li> <li>• Shower pumps</li> <li>• Equipment protected by SELV or PELV at a nominal voltage not exceeding 25 V a.c. rms or 60 V ripple-free d.c., the safety source being installed outside zones 0, 1 and 2</li> <li>• Ventilation equipment</li> <li>• Towel rails</li> <li>• Water heating appliances</li> <li>• Luminaires</li> </ul>	Only switches of SELV circuit supplied at a nominal voltage exceeding 12 V a.c. rms or 30 V ripple-free d.c. shall be installed; the safety source being outside zones 0, 1 and 2.
2	IPX4 (Electrical equipment exposed to water jets, e.g. for cleaning purposes, shall have a degree of protection of at least IPX5)	Current-using equipment if suitable.	Switchgear, accessories incorporating switches or socket-outlets shall not be installed, with the exception of: <ul style="list-style-type: none"> <li>i switches and socket-outlets of SELV circuits, the safety source being installed outside zones 0, 1 and 2, and</li> <li>ii shaver supply units complying with BS EN 61558-2-5, the IPX4 requirement does not apply to shaver supply units complying with BS EN 61558-2-5 installed in zone 2 and located where direct contact with water from showers is unlikely.</li> </ul>
Outside zones	No additional requirement but subject to Regulation 512.2	No additional restrictions.	Except for SELV socket-outlets complying with Section 414 and shaver supply units complying with BS EN 61558-2-5, socket-outlets are prohibited within a distance of 3 m horizontally from the boundary of zone 1.

\* See Figure 1.1 for zones.