

HEATBASE Ltd Factsheet 35

Earth Bonding and electrical regulations

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Oil Supply Line

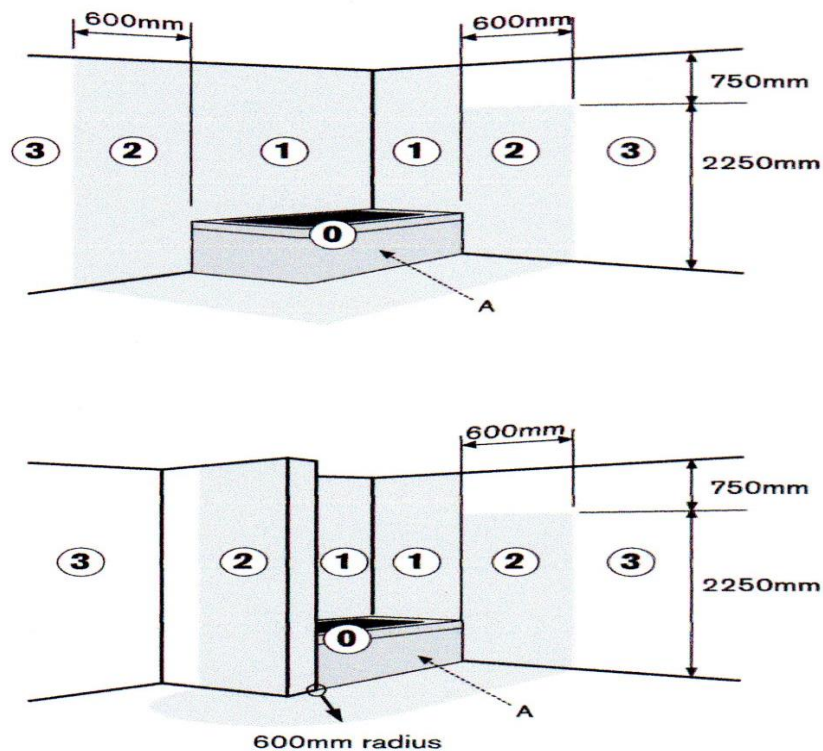
The Oil supply line should incorporate Earth Equipotential Bonding in accordance to BS 7671. The Regulations state the connection to services should be made as near as practicable to the point of entry of that service into the premises. When the oil supply pipe is provided, the main protective bonding conductor should be installed from the consumer's main earthing terminal and connected as close as is practicable to the point of entry of the building by means of an earth clamp to BS 951.

External Appliances

A residual current device (RCD) should be provided to protect externally located appliances along with a circuit protective conductor. Without the provision of the RCD the external appliance can result in an increased shock risk to persons and livestock. Additionally, if the appliance (boiler) was located externally, at the building entry point there would be a requirement for a protective bonding conductor connected between the flow and return pipes. All electrical works should meet the requirements of BS 7671.

Appliances Installed in Bath/Shower Rooms

If an appliance is installed in a Bath or shower room it must be of the room sealed flue type. The appliance must not be installed in zones 0, 1 or 2 in the diagram below. The electrical connections should be safe; the appliances outer casing or a compartment constructed around the boiler should enclose any switches and controls so a person using the bath or shower cannot touch them. All electrical works should meet the requirements of BS 7671.



A - Bath or shower cubicle (zone 0)