



demand compliance ⚡ ensure safety

THE CONDUCTOR HUB – A RELIABLE SOLUTION FOR EQUIPOTENTIAL BONDING

Equipotential bonding is the act of bonding all the metal components in an area together to create substantially the same electrical potential, so that, under fault conditions, the difference in potential between simultaneously accessible exposed and extraneous conductive parts will not cause electric shock.

Australian Standard AS/NZS3000:2018 Section 5.6.2.5 & 5.6.2.6 outlines the requirements for equipotential bonding in a swimming pool/spa area as well as in domestic and commercial construction in a room containing a shower or bath.

Projects that are constructed in Australia or New Zealand that require equipotential bonding under the Wiring Rules shall, in a swimming pool / spa environment form an equipotential bond between all fixed conductive material within arm's reach (1.25m) of the pool or spa's edge. This includes items like; the reinforcing steel shell of the pool or spa, the steel within the deck or under tiling, metal pool fencing or spigots, any metal lights, windows, downpipes, ladders etc. Under the rules the connection point shall be located in an area that is testable and accessible and have space for further connections after the construction has been complete (Section 5.6.2.6.4) In a domestic or commercial environment, this would include the re-enforcing steel in the concrete slab or wall.

There has been no product on the market up until now that complies with the requirements of the Standard and that provides a visible/testable inspection point after the construction has been completed.

Austen & Em Ritchie of Conductor Hub Pty Ltd, have developed the Conductor Hub unit that is installed between the reinforcing steel before the concrete is poured and fits inside standard mesh without requiring any steel cutting to ensure structural integrity is maintained.

It is Australian made and comprises of a copper bar, stainless steel zip-ties and a buss bar housed in a lidded base made from ASA, which includes a unique collar that can be sized to suit any concrete thickness.

The Conductor Hub has the ability to include multiple connection points either during initial construction, or over time as additions are made to a pool environment. These connections are encapsulated for safety and protection inline with the wiring rules which require all grounding points to be protected against mechanical damage and corrosion (Section 5.6.2.6.3). An installation sticker is included for the meter box to confirm compliance, and an installation record kept in the hub for continuity.

The Conductor Hub takes away the confusion and hassle of supplying compliant equipotential bonding, ensuring contractors are meeting their legal responsibilities and ultimately keeping families safe.

To view an installation animation of the product or for more information visit

www.conductorhub.com.au

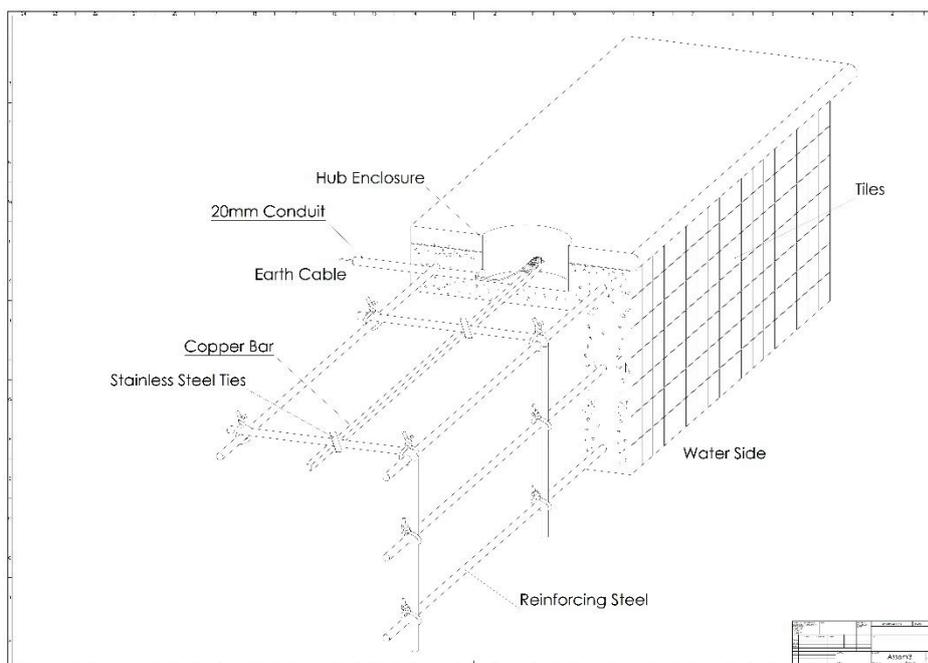


Fig. 1 – The Conductor Hub unit installed into the swimming pool coping tile

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