

Method for Filling the Border of the Distribution Box

Article Overview

The border of a distribution box is typically filled with concrete or plaster and sealed with anti-corrosion paint to ensure stability, safety, and a gap-free installation.

Step-by-Step Method

1. Prepare the Installation Hole The wall opening should be about 20mm larger than the distribution box dimensions, with a depth equal to the box thickness plus the plaster layer. This ensures enough space for filling material and proper embedding of the box . 2. Position the Box Place the distribution box in the reserved hole, ensuring it is firm, horizontal, and vertical. The vertical deviation should not exceed 3mm. Proper alignment is crucial to avoid stress on the box and maintain a neat finish . 3. Fill the Border

- Concrete Filling: Pour concrete between the box and the wall to fill the gap completely. This provides mechanical stability and prevents movement.
- Plastering: After the concrete sets, apply plaster to smooth the edges and integrate the box with the wall surface.
- 4. Seal and Protect
- Apply anti-corrosion paint to the contact surfaces between the box and the wall to prevent rust and degradation over time .
- Ensure there are no gaps around the box edges to maintain safety and prevent dust or moisture ingress.
- 5. Electrical Considerations
- Maintain proper spacing for wiring and terminals inside the box.
- Clearly mark AC, DC, or different voltage lines, and ensure neutral (N) and protect...

Article Content

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7. The wire inlets and outlets in the distribution box and switch box shall be set at the lower bottom of the box. It is strictly prohibited

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Installation process of distribution box

2. The wall mounted distribution box can be fixed on the wall with expansion bolts, but the dovetail bolts shall be embedded in the

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