

Installation Method of Aluminum Formwork Positioning Distribution Box

Article Overview

Aluminum formwork distribution boxes are installed by carefully preparing the site, assembling modular panels in sequence, aligning and bracing them, and ensuring embedded components are accurately positioned before concrete pouring.

Preparation

Before installation, review the construction drawings to verify wall thickness, slab heights, column widths, and opening locations to ensure correct formwork configuration . Prepare a level and stable foundation, as uneven surfaces can affect alignment and concrete accuracy . Reserve a material stacking area and organize all panels, accessories, and tools in predefined locations to streamline installation . Apply demoulding agent to panels before assembly to facilitate later removal .

Panel Assembly and Installation Sequence

- o Wall and Column Formwork: Begin with vertical panels for walls and columns, ensuring proper alignment and verticality using adjustable diagonal bracing and shoring props .
- o Lower Bay Windows and Beams: Install lower bay window panels, followed by beam panels, ensuring embedded parts are correctly positioned in pre-drilled holes .
- o Upper Bay Windows and Slab Panels: Assemble upper bay window and slab panels, adjusting horizontal elevation with shoring props .
- o Staircase and K Board: Complete staircase formwork and any hanging molds, maintaining strict adherence to the installation sequence to prevent misalignment .

Alignment and Bracing

Use Flat Ties and Steel Walers to maintain rigidity and overall stability of the formwork . Adjustable diagonal bracing ensures verticality, while shoring props regulate horizontal elevation. Continuous checks for level, plumb, and alignment are essential throughout assembly .

Embedded Components

Ensure all embedded parts such as electrical conduits, plumbing, or distribution boxes are positioned accurately in the pre-drilled holes of the panels. Misplacement can lead to rework and compromise structural integrity .

Safety and Quality Control

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- o Follow safety protocols for handling panels and tools.
- o Verify panel connections with pins and wedges to prevent movement during concrete pouring .
- o Conduct quality checks for verticality, alignment, and surface finish before pouring concrete .

Concrete Pouring and Removal

Once the formwork is fully assembled and aligned, pour concrete carefully, monitoring for settlement and uniformity. After curing, dismantle panels in reverse sequence, ensuring components are cleaned, coated with demoulding agent, and stored properly for reuse . By following these steps, the aluminum formwork distribution box can be installed efficiently, ensuring high-quality concrete surfaces, structural accuracy, and safe, repeatable use.

Set position steel bars: Use steel bars welded on the vertical steel bars of the wall /column as the positioning point when installing;

A Complete Guide for Aluminium Formwork Now a days Aluminium forwork is more popular

Aluminum Vertical formwork is to build up the vertical structural elements like column, Retaining walls, Piers, Foundation. Horizontal

IV. Aluminum formwork installation Install the aluminum formwork on one side of the wall and column, according to the

DESCRIPTION: The bottom part is fixed at the top of the wall panel by Pin & Wedge. The timber at the upper part is connected to the

The document provides a method statement for assembling and disassembling an aluminum formwork system. It outlines

History of Aluminium Formwork The Aluminium Formwork System was developed by W. J. Malone, a Canadian Engineer in the late

By thoroughly preparing for the installation of aluminum formwork, you can ensure a smooth, efficient, and safe

Streamline your construction projects with this comprehensive guide to aluminium formwork technology, where

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Observations, document analysis of construction methods, survey forms and interviews with respondents involved in

GETO's aluminium formwork system delivers fast, accurate construction with smooth finishes--ideal for efficient, repeatable modular

Learn the complete aluminum formwork installation process for wall, slab, and column systems. This practical guide

The application of aluminum formwork construction in construction projects can improve engineering construction

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Selecting the right formwork installation and dismantling method is essential for stability and

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