

Waterproof Folding Container Type for Subway Stations





Overview

What is active waterproofing in a subway project?

According to the the groundwater conditions or structural deformation in subway project, with the usages of special technology or benefits from natural features of waterproofing materials, active waterproof comes true. Its main idea is improving the compaction of concrete.

Why do subways need waterproofing technology?

Today, more attention from society are payed into the waterproofing technology in subway construction, with frequent flood damages in recent years. Meanwhile, the impacts of groundwater erosion and penetration cause the increase of maintenance costs in operation period and also reduce the life of the subway project.

Can closed-cavity thin-walled components be used in prefabricated metro stations?

The adoption of closed-cavity thin-walled components is pivotal for the lightweight design of large prefabricated components in underground structures. Cities like Changchun, Qingdao, and Shenzhen have pioneered their use in the lining structures of prefabricated metro stations.

What is the waterproof system for prefabricated station structures?

The waterproof system for prefabricated station structures is composed of four integral parts: inherent waterproofing of the component concrete, sealing for prefabricated component joints, waterproofing for joints between cast-in-place and prefabricated elements, and strategies for leakage water treatment (see Fig. 26).



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