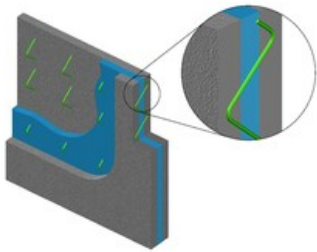


Non-Thermally Conducting Lifting Anchor for Concrete Sandwich Wall Panels

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Products, Materials, and ServicesConstruction

Abstract

This technology provides a non-thermally conductive concrete lifting anchor to improve efficiency in crane lifting concrete panels in large building construction.

Problem

Construction involving concrete sandwich panels is trending towards thinner, lighter, and more economic panels. However, thinner panels tend to fail more easily when lifted, requiring larger anchors.

Solution

This concrete lifting anchor is more effective at distributing weight load to avoid failure in lifting. Additionally, because

it is non-thermally conductive, the thermal barrier isn't compromised upon installation of these anchors.

Value Proposition

The technology provides a small, inexpensive, weight-distributing, non-thermally conducting lifting anchor. These greatly simplify the construction process of large concrete buildings, saving money, time, and resources.

Benefit

Construction involving concrete sandwich panels is trending towards thinner, lighter, and more economic panels. However, thinner panels tend to fail more easily when lifted, requiring larger anchors. Furthermore, energy codes require insulation of these sandwich panels, and larger anchors compromise the thermal barrier.

This concrete lifting anchor is more effective at distributing weight load to avoid failure in lifting. Additionally, because it is non-thermally conductive, the thermal barrier is not compromised upon installation of these anchors.

The technology provides a small, inexpensive, weight-distributing, non-thermally conducting lifting anchor that simplifies the construction process. Less anchors are required, paving the way for a cheaper process.

Market Application

This concrete lifting anchor technology applies directly in the construction industry, specifically within the realm of commercially scaled buildings, where concrete sandwich wall panels are utilized.

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Intellectual Property

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