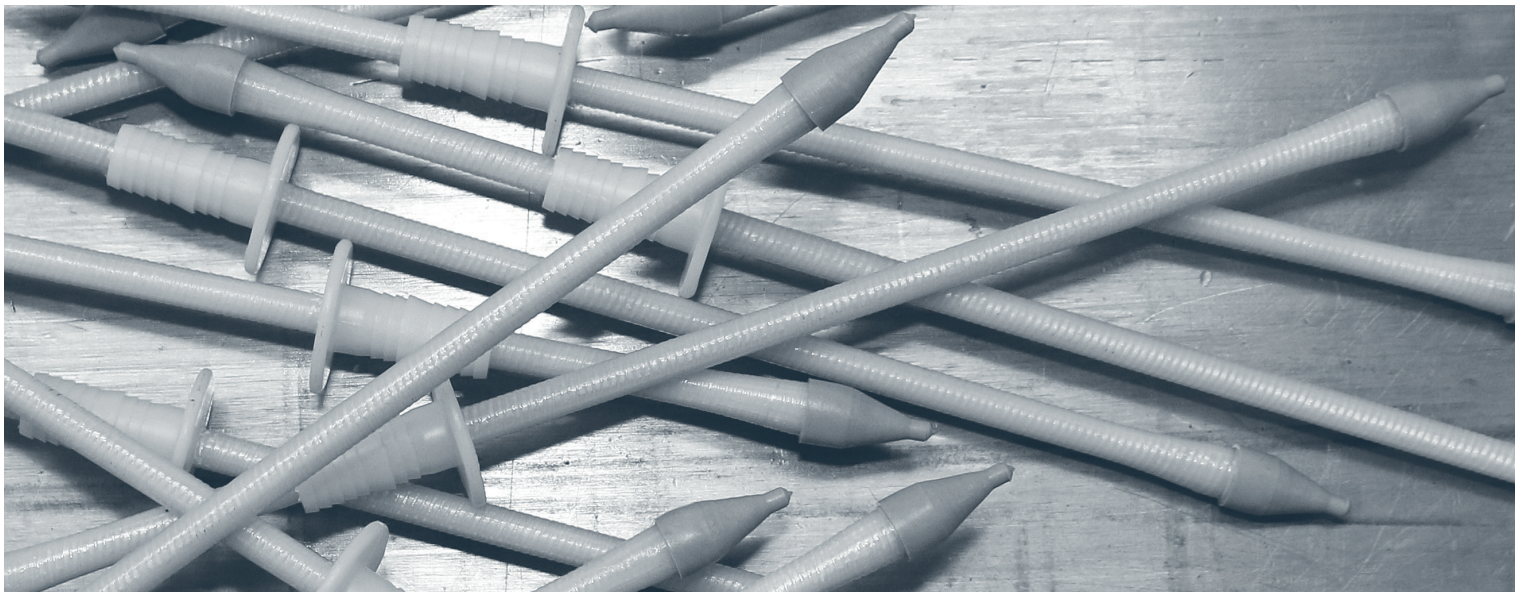
Für schnelleres Bauen

BT innovation



FOR CREATING ENERGY EFFICIENT, CORE INSULATED CONCRETE WALLS

ThermoPin®

The securing anchor for thermal decoupling of insulated walls

The general technical approval (Z-21.8-2055) and the European Technical Assessment (ETA 19/0498) certify the reliability of the product.

The ThermoPin® is a glass fibre reinforced plastic (GFRP) securing anchor for sandwich walls and core-insulated double walls.

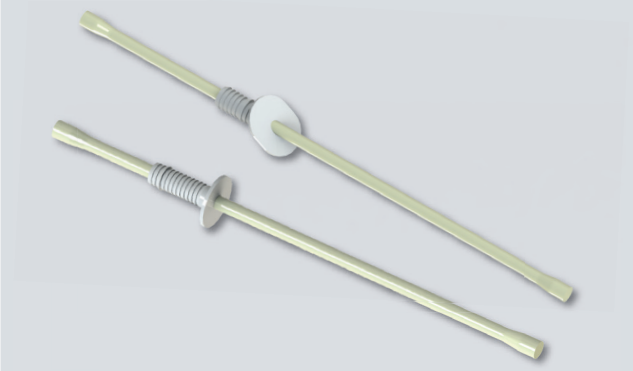
The ThermoPin® is used to connect facing and load-bearing layers of core-insulated precast concrete elements. The GFRP material is suitable for use in thin structural elements.

Thanks to the attached cap, the bar slides smoothly into the fresh concrete, enabling particularly fast assembly. The fixed sleeve guarantees correct installation and ensures that the penetration point in the insulation is sealed and concrete cannot flow into the opening. As a result, the bar ultimately disappears in the concrete and is not visible on the surface. The result is a perfect surfaces without visible flaws.

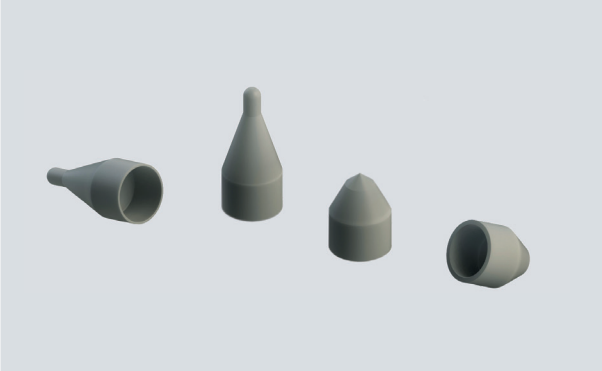
Features

- **Two types:** Horizontal and Diagonal
- **Alkali resistant**
- **Fibreglass rod with conical, widened ends**
- **Firmly attached sleeve to close the drill hole and for safe installation**
- **Available in lengths of 5mm increments**
- **Low thermal conductivity of approx. 0.5 W/m·K, ideally suited for thermally decoupled walls**
- **Enables narrow construction due to low concrete covers** (facing layer thickness from 5cm onwards)

Item overview

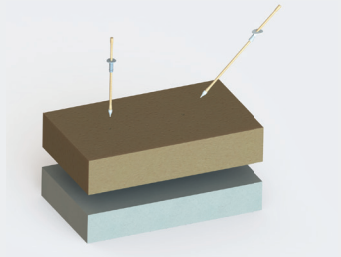


ThermoPin® fibre reinforced anchor



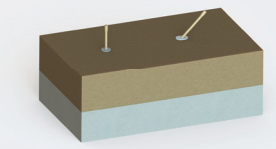
Accessories: Cap

Application - assembly sandwich wall



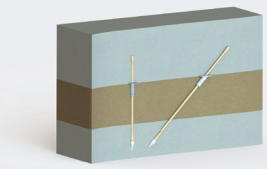
01

Lay the pre-drilled insulation onto the first layer of fresh concrete, insert the ThermoPin® and compact the concrete.



02

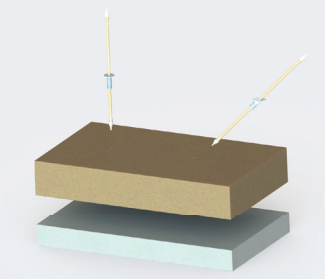
Lay the reinforcement layer on the insulation and fill and compact the second layer of fresh concrete.



03

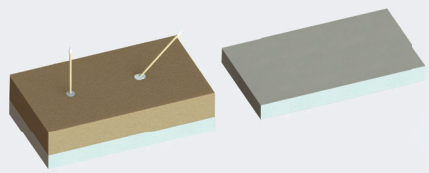
After the sandwich wall has cured, the element can be erected and delivered to the construction site.

Application - assembly of core-insulated double walls



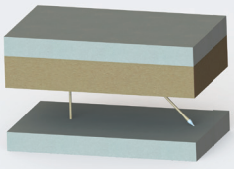
01

Lay pre-drilled insulation on the first layer of fresh concrete, insert the ThermoPin® and compact the concrete.



02

Turn the cured first layer with the ThermoPin® into the fresh concrete of the second layer.



03

After the second layer has cured, the element can be erected and delivered to the construction site.

B.T. innovation GmbH _ Sudenburger Wuhne 60 _ 39116 Magdeburg
Tel.: +49 (0) 391 7352 0 _ EMail: info@bt-innovation.de

www.bt-innovation.de