PANTHERA A10

Using existing systems and doubling up safely

The first dowel for the doubling up of existing External Thermal Insulation Composite Systems

FRÖWIS
Specialised Fixings

ADVANTAGES

- Creating stability even for no longer load-bearing systems
- Efficient renovation of old facades
- Use of existing system and shorter construction time
- Saving removal costs for old systems
- Protecting the environment and residents

DOUBLING UP OF

- Rail systems
- ETIC systems that are no longer load-bearing
- All other ETICS

Turning old into new
The doubling up of an existing system is the most efficient way of renovation. The insulation performance of the old system is used and strengthened by the newly fixed insulation. Moreover, the new composite system improves overall stability, creating a new, modern facade.

THREE ANCHORING ZONES

Embedment depth h_{nom} [mm]	50 (concrete, clay and perforated building materials) 70 (in all building materials) 90 (autoclaved aerated concrete)
Dowel length [mm]	180, 200, 230, 260
Dowel diameter [mm]	10
Max. total insulation material thickness $h_{D\ alt} + h_{D\ new}$ [mm]	200

INSPIRING THROUGH EXPERTISE

- **Verification process support of the renovation measure**
- **On-site service**
- **Technical advice**