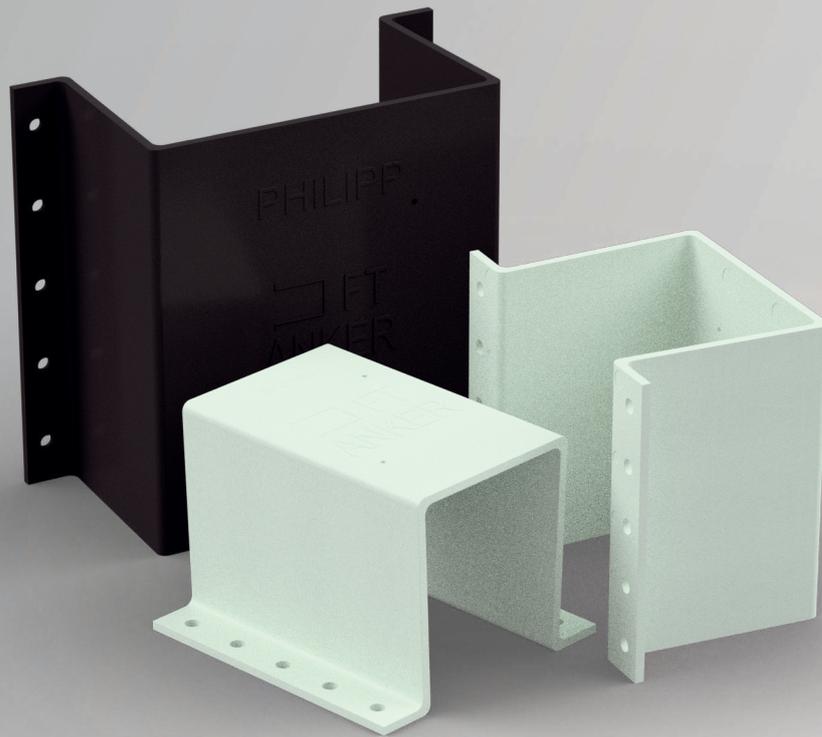


FT Anchor



VB3-F-003-en - 07/25 - PDF

Installation Instruction

Our products from the division BUILDING SOLUTIONS

SERVICES

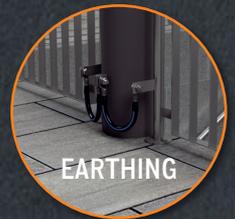
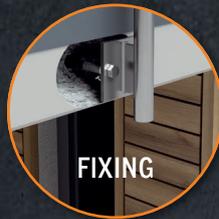
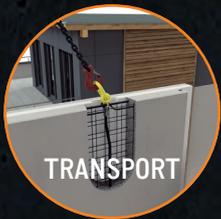
- » On-site tests -> we ensure that your requirements are properly covered by our planning.
- » Test reports -> for your safety and documentation.
- » Trainings -> the knowledge of your employees from planning and production is enhanced by our experts on site, online or via webinar.
- » Planning support -> latest design software, planning documents, CAD data and much more can be downloaded any time from www.philipp-group.de.

HIGH DEMANDS ON PRODUCT SAFETY AND PRACTICALITY

- » Close cooperation with notified bodies and - if necessary - approval of our solutions.

TECHNICAL DEPARTMENT

- » Our expert-team will support you at any time during your planning phase with detailed advice.



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PHILIPP FT Anchor

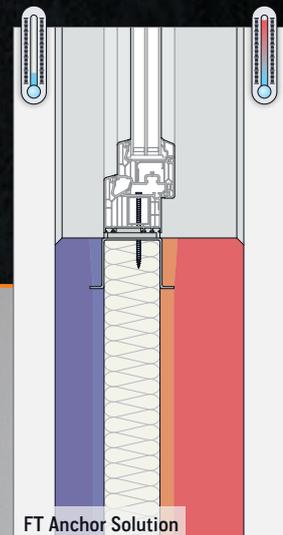
THE PHILIPP FT ANCHOR

The simple and efficient fixing of window and door elements is also a challenge with prefabricated reinforced concrete sandwich elements. Ideally, these elements are located in the insulation layer in order to exploit the advantages in terms of building physics. The window and door anchor (FT anchor) meets these requirements with its combination of simple design and material.

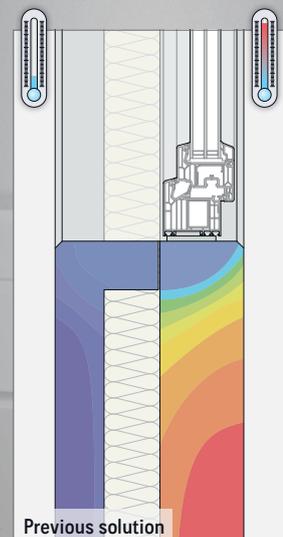


YOUR BENEFITS AT A GLANCE:

- » **Easy installation**
already during the production of sandwich elements
- » **Noticeable time saving**
caused by fast mounting of windows and doors at the job-site
- » **Effortless and exact fixation**
of door and window elements
- » **No thermal bridges**
as the anchor is made of glass fibre plastic



FT Anchor Solution



Previous solution

GENERAL PRODUCT INFORMATION

The FT Anchor is used for the fixation of doors, windows and comparable components in precast concrete sandwich elements and insulated double walls. As the application is quite simple the fixation in the precast elements is done fast and easily.

Glass fibre reinforced plastic is the main constituent the FT Anchor is made of, so no thermal bridges in a sandwich element are the result. FT Anchors are available in a width of 60, 80 and 120 mm. Other insulation layers are bridged by reinforcements in the bearing layer. (s. picture 3).

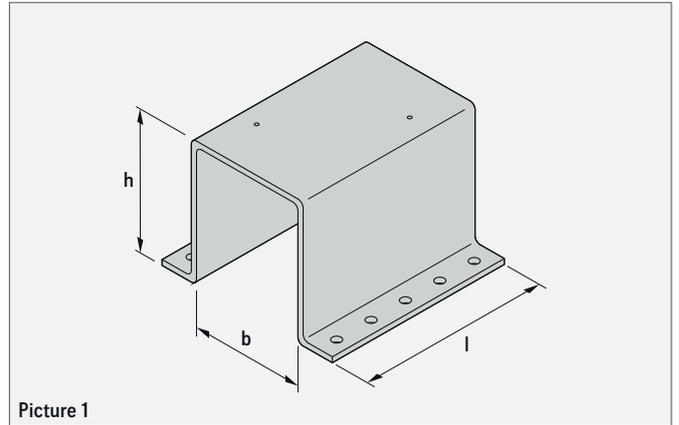
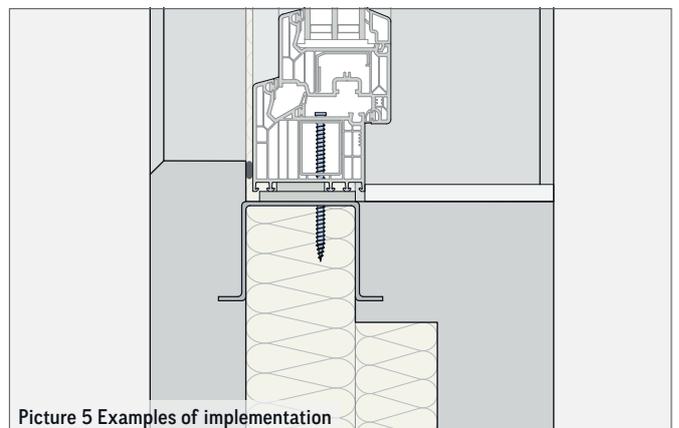
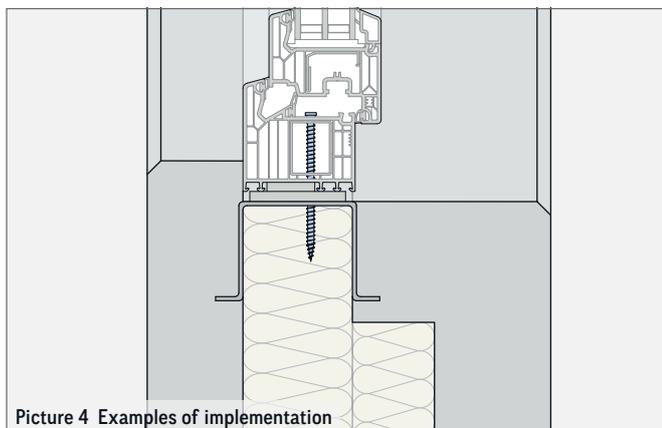
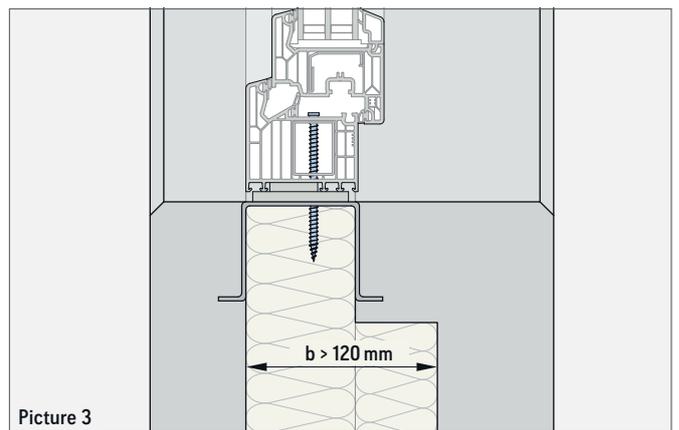
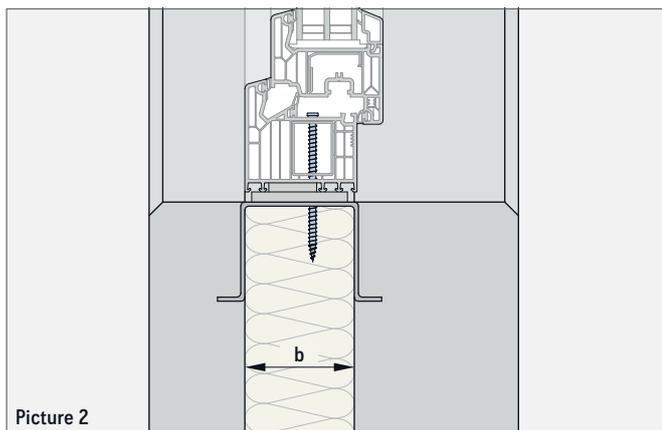


TABLE 1: DIMENSIONS OF THE FT ANCHOR

Ref. no.:	b (mm)	l (mm)	h (mm)
77FTA060	60	100	73
77FTA080	80	100	73
77FTA120	120	140	73



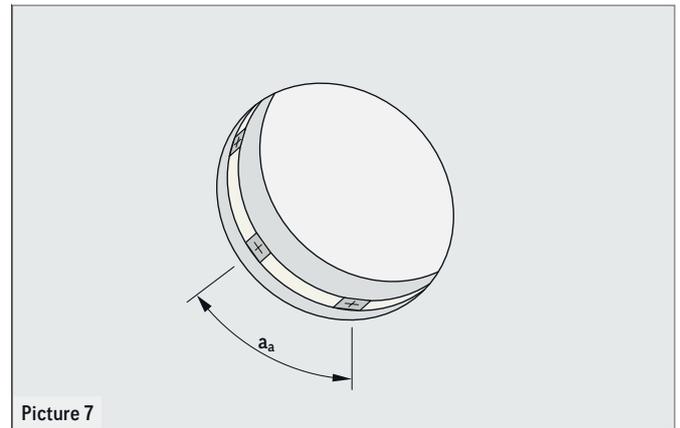
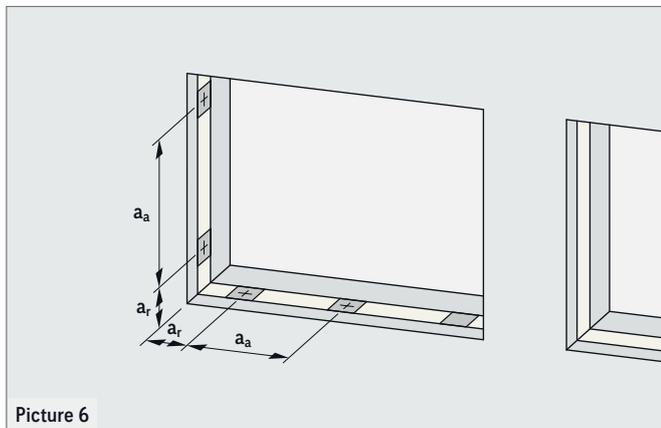
INSTALLATION CONDITIONS

PLANNING

The installation of FT Anchors requires the compliance of certain edge and centre distances. Square openings require at least 8 FT Anchors (2 in each side of the opening). Depending on the opening size the number has to be increased considering the centre distance a_a . For round openings the number of anchors is determined by the centre distance a_a .

TABLE 2: MINIMUM EDGE AND CENTRE DISTANCES

Ref. no.:	a_r (mm)	a_a (mm)
77FTA060	150	500
77FTA080	150	500
77FTA120	150	500



NOTE

Edge and centre distances given here are only recommendations. The final anchor distances must be coordinated with the corresponding manufacturers of the opening elements.

FIRE PROTECTION

The FT Anchor is conform to the fire resistance class HB (slow burning) related to UL94 „Tests for Flammability of Plastic Materials for Parts in Devices and Applications“ according to IEC/DIN EN 60695-11-10.

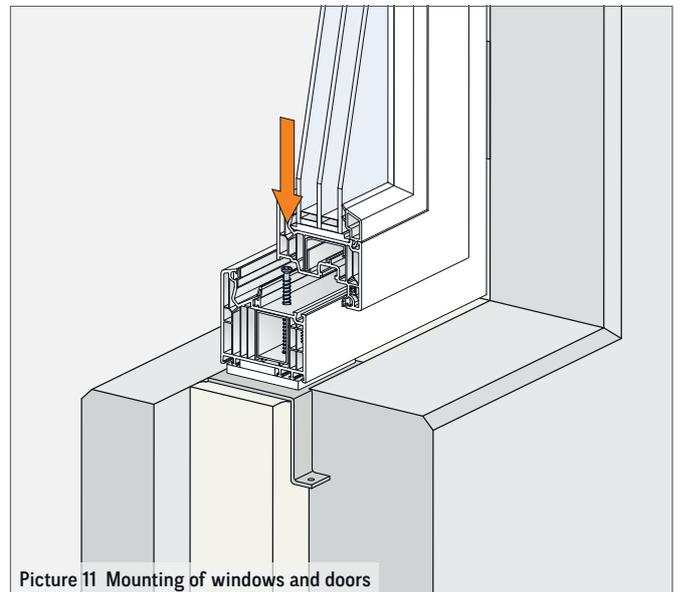
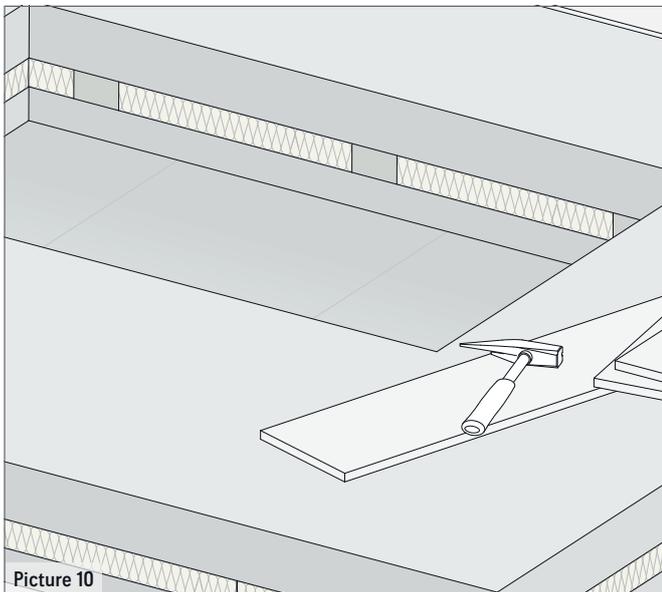
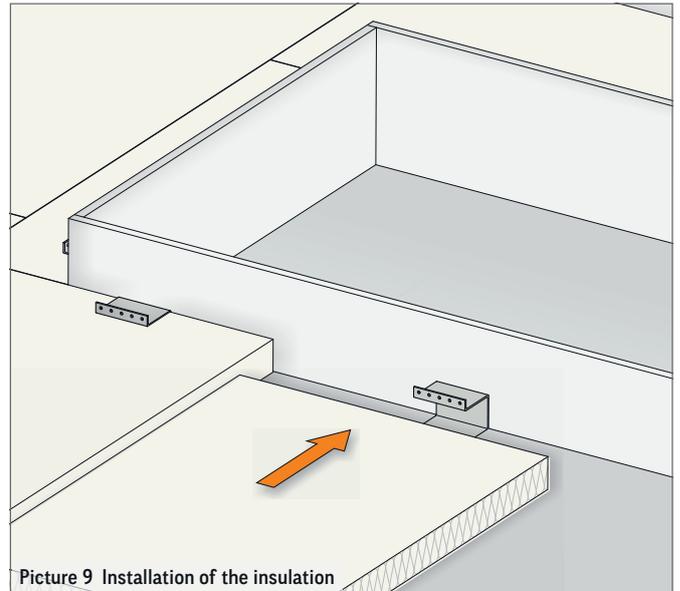
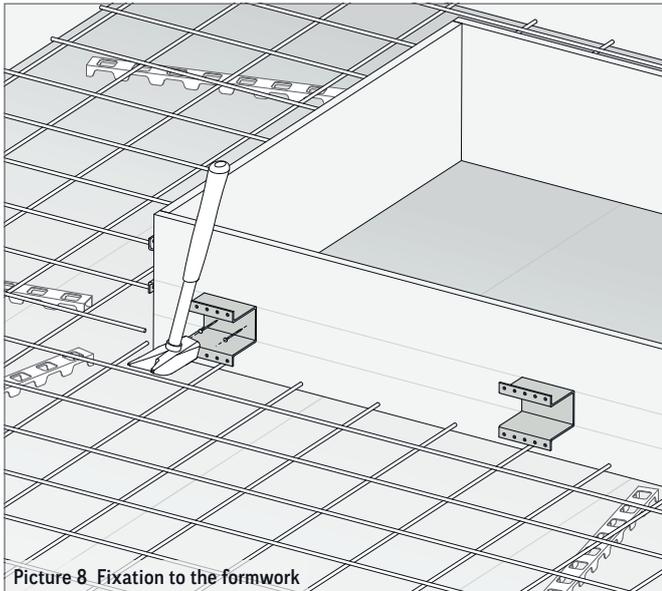
EINBAU

The very simple installation of the U-shaped FT Anchor is already done during the production of sandwich panels in the precast plant.

If the openings are created by a timber formwork the FT Anchors can be nailed through integrated holes with two nails onto the formwork. Then, the insulation close to the openings is not only laid on the fresh concrete but also fixed to the FT Anchor.

If a steel mould is used the FT Anchors are fixed to the insulation first, then placed flush to the opening and pressed slightly into the fresh concrete so that the perforated angle is enclosed by concrete. The further production process of the sandwich element follows the normal procedure in the plant.

After mounting the reinforced concrete sandwich panels the opening elements can be fastened exactly and quickly with self-drilling screws in the level of the insulation.



HEADQUARTERS

Lilienthalstraße 7-9
63741 Aschaffenburg
☎ +49 6021 40 27-0
✉ info@philipp-gruppe.de

PRODUCTION AND LOGISTICS

Hauptstraße 204
63814 Mainaschaff
☎ +49 6021 40 27-0
✉ info@philipp-gruppe.de

OFFICE COSWIG

Roßlauer Straße 70
06869 Coswig /Anhalt
☎ +49 34903 6 94-0
✉ info@philipp-gruppe.de

OFFICE NEUSS

Sperberweg 37
41468 Neuss
☎ +49 2131 3 59 18-0
✉ info@philipp-gruppe.de

OFFICE TANNHEIM

Robert-Bosch-Weg 12
88459 Tannheim /Allgäu
☎ +49 8395 8 13 35-0
✉ info@philipp-gruppe.de

PHILIPP VERTRIEBS GMBH

Pfaffing 36
5760 Saalfelden / Salzburg
☎ +43 6582 7 04 01
✉ info@philipp-gruppe.at

PHILIPP POLSKA SPÓŁKA Z O.O.

ul. Wojska Polskiego 1
47-220 Kędzierzyn-Koźle / Opole
☎ +48 503 353 816
✉ polska@philipp-gruppe.de



HEADQUARTERS Aschaffenburg



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