

# FASSA COMBI FIX H1

DATA SHEET

Universal percussion anchor for fixing insulating panels in ETICS systems





Interior/Exterior



**Composition**

FASSA COMBI FIX H1 anchors comprise a main body made from high-density polyethylene (HDPE), where the plate has a diameter of 60 mm, while the anchor plug measures Ø 8 mm in diameter. Inside the anchor is a galvanised steel screw, and a rigid polyamide plug.

**Supply**

- Packaging unit: 100 pieces

**Use**

External thermal insulation composite system panels are anchored in order to give the system greater static stability, ensure greater safety against the negative pressure loads caused by wind and maintain a permanent friction effect between the adhesive and the substrate.

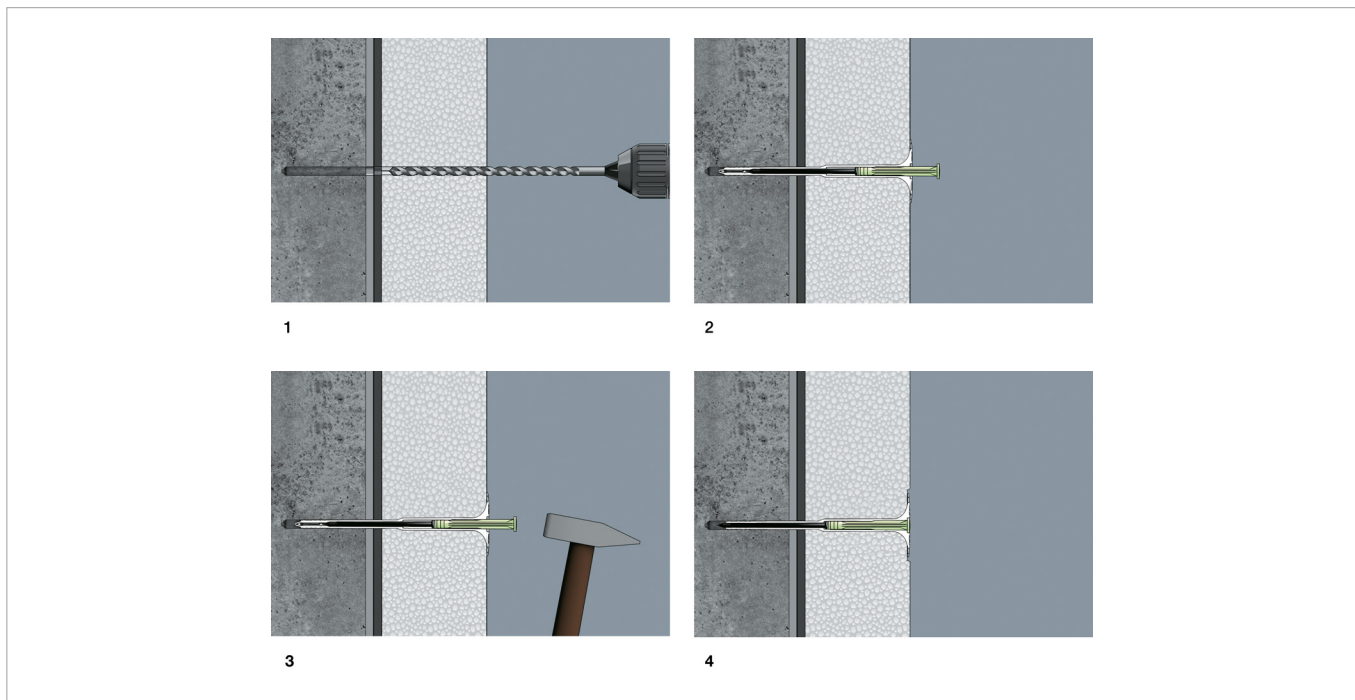
FASSA COMBI FIX H1 anchors are used with FASSATHERM external thermal insulation composite system EPS, rock wool, wood fibre and cork panels, and are suitable for concrete, solid brick and hollow brick substrates. Mounting is by percussion, inserting the anchor flush with the panel.

**Application**

Drill a Ø 8 mm hole where the anchor will be inserted. The holes can be drilled in rotary-percussion mode for concrete (A) and solid brick (B) substrates, and in rotation mode for hollow brick (C), lightweight concrete (D), foamed concrete (E) substrates.

Clean the hole from any processing debris.

Insert the anchor into the hole until it is almost flush with the insulating panel, making sure not to apply excessive force on insertion. Use a hammer to hit the protruding rigid plug and fix the anchor until the plate is flush with the panel.



## Warnings

- Product for professional use.
- Only use the anchor with the specified substrates and panels.
- Observe the specified anchorage depth for each type of substrate.
- Drill the hole based on the diameter of the anchor.
- To determine the number of anchors per m<sup>2</sup> and the anchoring pattern, refer to the FASSATHERM External Thermal Insulation Composite System Installation Manual.
- Incorrect drilling of the substrate can damage the anchoring zone, compromising anchor fixing. In these cases, the installed anchor must be removed and a new hole drilled, inserting a new anchor.
- Perform anchoring at least 1 day after applying the insulating panels.
- The plate must be perfectly flush with the surface of the insulating panel.
- The anchor must only be installed where adhesive is used.
- On rock wool and wood fibre insulating panels it is recommended to use the additional VT 90 washer.

## Quality

FASSA COMBI FIX H1 anchors have obtained European technical approval (ETA 11/0192) in accordance with EAD 330196-01-0604 guidelines on "plastic anchors for fixing of external thermal insulation composite systems with rendering".

## Technical Data

Anchor diameter	8 mm
Plate diameter	60 mm
Anchor length	95 - 115 - 135 - 155 - 175 - 195 - 215 - 235 - 255 - 275 - 295 - 315 - 335 - 355 mm

## Technical features

ETA	11/0192
Use categories	A / B / C / D / E
Ø of anchor (mm)	8
Anchorage depth (mm)	25 (A-C)
Anchorage depth (mm)	45 (D+E)
Drilling depth (mm)	35/55
Plate stiffness (kN/mm)	0.6
Thermal conductivity coefficient (W/K)	0.001
Maximum insulation thickness (mm)	320
<b>Characteristic resistances</b>	
C12/15 concrete	0.9
C20 - C50 concrete	1.2
Solid calcium silicate KS 12-1,8 brick	1.2
Solid terracotta brick Mz 12-1.8	1.2
Hollow calcium silicate KS 12-1,4 brick	1.2
Hollow terracotta brick Hlz 12-0,9	0.75
Very porous lightweight concrete LB 4-1.2	1.1
Foamed concrete 4-0,6	0.9

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: [area.technica@fassabortolo.com](mailto:area.technica@fassabortolo.com), ES: [asistencia.technica@fassabortolo.com](mailto:asistencia.technica@fassabortolo.com), PT: [assistencia.technica@fassabortolo.com](mailto:assistencia.technica@fassabortolo.com), FR: [bureau.technique@fassabortolo.fr](mailto:bureau.technique@fassabortolo.fr), UK: [technical.assistance@fassabortolo.com](mailto:technical.assistance@fassabortolo.com)).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.