

Universal percussion anchor for fixing insulating panels in external thermal insulation composite systems



Composition

The FASSA H3 BASIC FIX anchor comprises a polyethylene (PE) main body and a rigid reinforced polyamide plug.

Supply

- Packaging unit: for lengths from 75 mm to 155 mm: 200 pieces
- Packaging unit: for lengths from 175 mm to 235 mm: 100 pieces

Use

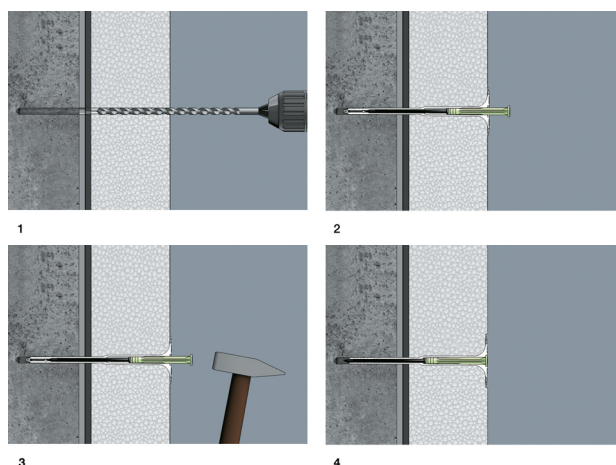
External thermal insulation composite system panels are anchored in order to give the system greater static stability, ensure greater safety against the negative pressure loads caused by wind and maintain a permanent friction effect between the adhesive and the substrate.

The FASSA H3 BASIC FIX anchor is used for fixing EPS, rock wool and cork, insulating panels to concrete, solid and hollow brick supports. Mounting is by percussion, inserting the anchor flush with the panel.

Application

Drill a \varnothing 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) 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 square metre 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.

Quality

FASSA H3 BASIC FIX anchors have obtained European technical approval (ETA 13/0130) in accordance with ETAG 014 guidelines on "plastic anchors for fixing of external thermal insulation composite systems with rendering" and are certified for categories of use A, B and C.

Technical Data

Anchor diameter	8 mm
Plate diameter	60 mm
Anchor length	75 - 95 - 115 - 135 - 155 - 175 - 195 - 215 - 235 mm

European Technical Approval ETA-13/0130

Substrate category	Type of substrate	Depth of the hole	Anchorage depth	Substrate density	Load resistance
		(mm)	(mm)	(kg/dm ³)	(kN)
A	C12/15 concrete	35	25	≥ 2.25	0.60
A	C16/20 – C50/60 concrete	35	25	≥ 2.30	0.60
B	Clay brick	35	25	≥ 1.80	0.60
B	Brick	35	25	≥ 1.80	0.60
C	Vertically perforated block	35	25	≥ 0.80	0.50
C	Hollow brick	35	25	≥ 1.60	0.60

The national safety coefficient should be applied in order to determine the load class.

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, ES: asistencia.technica@fassabortolo.com, PT: assistencia.technica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: 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.