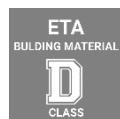
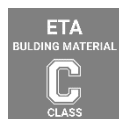
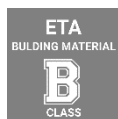




COVER.FIX **PN8**

Hammer set fastener with fiber-reinforced plastic nail





COVER.FIX PN8

Edition: September 2020 © Vimark

DESCRIPTION

COVER.FIX PN8 is a fastener with hammer set nail for mechanically fixing of plates of thermal-insulation sintered expanded polystyrene systems (EPS), mineral wool (MW), light wood wool boards, polyurethane boards, light recycled boards, wool fiber boards. The fastener allows quick wall installation, with few hammer taps. The compression area in the shaft allows the plate to be precisely recalled in the insulation. The fixing does not create thermal bridge thanks to the reinforced plastic nail. The innovative design of the cap and the special geometry of the plastic nail give the cap safe gripping also in solid building materials, while the asymmetrical expansion element ensures safe gripping also in perforated building materials or on unknown substrates.

ETA certified product, recommended for the anchoring of ETICS systems on any type of substrate.

COMPOSITION

Body: impact resistant copolymer of polyamide PA6 and polypropylene PP.

Pin: polyamide PA6 reinforced with glass fibers.

APPLICATION

Once the insulating panels are in position and the adhesive has dried, proceed with the fixing stage to improve adhesion and mechanical stability to the system substrate with fasteners of the **COVER.FIX** range.

Drill holes with an electric drill according to the type of substrate.

The holes should be perpendicular to the substrate, avoid changing drill angle, especially on materials with low mechanical strength such as hollow bricks, aerated concrete, etc. Clean the hole thoroughly to allow correct anchoring of the fastener to the substrate.

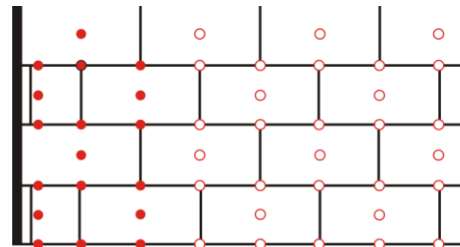
Insert the body of the mechanical fastener into the hole by slightly tapping it by means of a hammer up to the level of the insulation board. Insert the nail into the body by slightly tapping it by means of a hammer until the fixing body has completely expanded.

For mechanically fixing of soft thermal insulation boards, made up of fibers or mineral wools, we recommend the coupling of the fastener with the retaining plate **COVER.PLATE DT** available in size 90, 110 and 140 mm.

QUANTITY

The quantity and correct distribution of the fasteners on the thermal insulation depends on various factors such as the weight of the insulation, type and dimensions of the plates, the height of the building, the traction resistance of the fastener according to the substrate, the wind force according to the geographical position of the building. Normally it is recommended to increase the number of mechanical fixing points along with the increase in height of the building and on its free edges. Calculate the correct amount of fasteners for each building by taking into account all the factors that could affect the number.

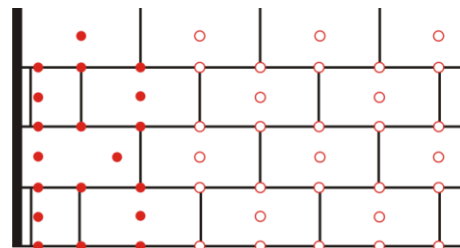
Building height < 8 m



4 fasteners **COVER.FIX**/m² central

6 fasteners **COVER.FIX**/m² at edges

Building height > 8 m < 20 m



6 fasteners **COVER.FIX**/m² central

8 fasteners **COVER.FIX**/m² at edges

Building height > 20 m



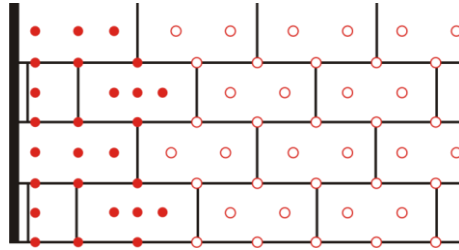
Vimark

Strada Spartafino 2
12016 Peveragno (CN) Italy
Tel. +39 0171 383800 | Fax +39 0171 339395
info@vimark.com | Vimark.com



COVER.FIX PN8

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8 fasteners **COVER.FIX**/m² central

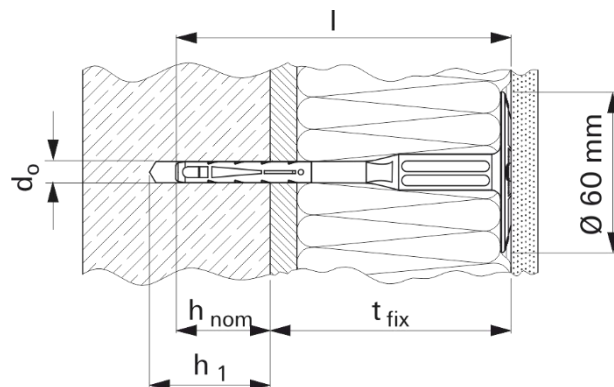
10 fasteners **COVER.FIX**/m² at edges

PACKAGING

Anchoring length	Ø Hole	Recommended panel thickness / Type of substrate		Packaging
		A, B, C	D, E	
mm	mm	mm	mm	pcs.
110	8	60	-	100
130	8	80	60	100
150	8	100	80	100
170	8	120	100	100
190	8	140	120	100
210	8	160	140	100
230	8	180	160	100

PRODUCT DATA

▪ Substrate categories	A (concrete) B (solid brick) C (hollow brick) D (lightweight concrete blocks) E (aerated concrete)	ETA-09/0171	
▪ Plate resistance	1.7 kN		
▪ Plate stiffness	0.6 kN/mm		
▪ Thermal transmittance point	0.001 W/K		
	Substrate	A, B, C	D, E
		mm	mm
▪ Fastener diameter	<i>d</i>	8	8
▪ Hole diameter in substrate	<i>d₀</i>	8	8
▪ Minimum hole depth in substrate	<i>h₀</i>	45	65
▪ Application depth	<i>h_{nom}</i>	35	55







COVER.FIX PN8

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TECHNICAL DATA

Substrate	Cat. ETA	Min. substrate density	Minimum compressive strength	Drilling method	Permitted loads according to ETA
		<i>kg/dm³</i>	<i>N/mm²</i>	-	<i>kN</i>
Concrete	A		C12/15	Rotopercussion	0.17
Concrete Concrete	A		C16/20	Rotopercussion	0.17
Concrete	A		C50/60	Rotopercussion	0.17
Solid brick Mz	B	2.0	12	Rotation	0.20
Calcium silicate solid brick KS	B	1.8	12	Rotopercussion	0.20
Hollow brick (vertically drilled) Hlz	C	1.0	12	Rotation	0.13
Calcium silicate hollow brick (vertically drilled) KSL	C	1.4	12	Rotopercussion	0.13
Lightweight concrete hollow block Hbl	C	1.2	10	Rotopercussion	0.17
Lightweight concrete (with lightweight aggregates) LAC	D	0.9	4	Rotopercussion	0.10
Lightweight concrete (with lightweight aggregates) LAC	D	0.9	6	Rotopercussion	0.13
Autoclaved aerated concrete block (aerated) PP, PB	E	0.5	4	Rotation	0.10
Autoclaved aerated concrete block (aerated) PP, PB	E	0.5	6	Rotation	0.13

COMPLIANCE

 	<p>ETA-09/0171 Material category A-B-C-D-E</p>
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REMARKS

The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. Information and, in particular, instructions on the application and end use of Vimark products are provided in good faith on the basis of Vimark's current knowledge and experience of the products provided that they are properly stored, handled and used under normal conditions and in accordance with Vimark's recommendations. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Therefore, our warranty obligation merely covers the quality and fade-free characteristics of the end product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. Users must always refer to the latest version of the local data sheet of the product concerned, whose copies are provided upon request. This technical data sheet voids and substitutes all previous editions. Updates will be published on the website www.vimark.com



Vimark
Strada Spartafino 2
12016 Peveragno (CN) Italy
Tel. +39 0171 383800 | Fax +39 0171 339395
info@vimark.com | Vimark.com