

FIXPLUG-8

Hammer driven fastener with nylon pin and telescopic design support washer



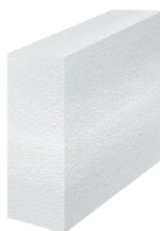
NEW!



Description

Innovative telescopic design ensures proper installation of the support washer in the insulation material

Type of insulation material with which the fastener is to be used



Polystyrene foam EPS

ETAG 014 use cat.

A	B	C	D	E
Concrete	Solid clay bricks, Calcium silicate bricks	Porous blocks	Elements on LAC lightweight aggregate	Aerated concrete

Features and advantages of the product



Innovative telescopic design of the fastener

Fast, easy and reliable fixing. Telescopic design of FIXPLUG fastener guarantees its proper fixing in the substrate and flush fitting of the support washer with the insulation material used



Fibreglass reinforced nail

Pins do not break during installation, even when heavily hammered. The large head of the pin makes installation easier

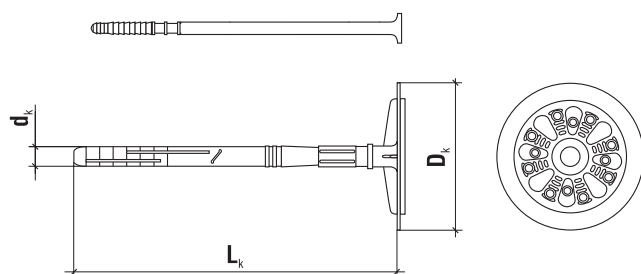


Washer design

Large amount of pocket adhesives on the support washer increases the adhesiveness of the mortar

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Product marking

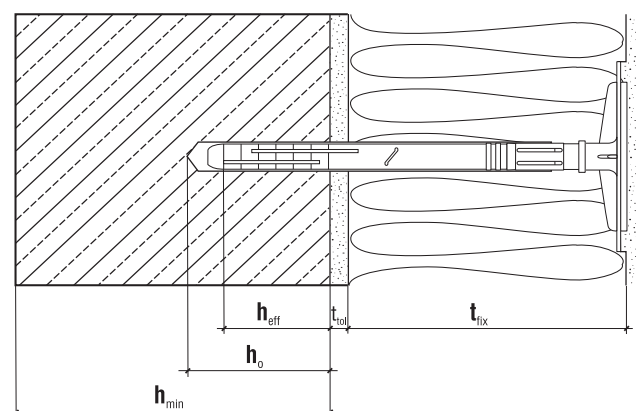
FIXPLUG	08	110	(200)
Fastener type	Diameter	Length	Number of pieces in a box

PRODUCT RANGE

	Code	$d_k \times L_k$ [mm]	Insulation material thickness t_{fix} [mm]		Pcs
			New buildings	Old buildings	
			t_{tol} adhesive layer of 10 mm	t_{tol} adhesive layer of 10 mm + 20 mm of old plaster	
Ø8	FIXPLUG08110(200)	8x110	60	40	200
	FIXPLUG08130(200)	8x130	80	60	200
	FIXPLUG08150(200)	8x150	100	80	200
	FIXPLUG08170(200)	8x170	120	100	200
	FIXPLUG08190(200)	8x190	140	120	200
	FIXPLUG08210(100)	8x210	160	140	100

TECHNICAL DATA

Parameter	Unit	Value
Plug diameter	d_k [mm]	8
Washer diameter	D_k [mm]	60
Anchorage depth	h_{eff} [mm]	40
Drilled hole depth	h_o [mm]	50
Thermal conductivity	χ [W/K]	0.00
Washer stiffness	S [kN/mm]	0.60
Use categories	-	A B C D E
Plug material	-	PE
Pin material	-	PA + GF
European Technical Approval	-	ETA-15/0373



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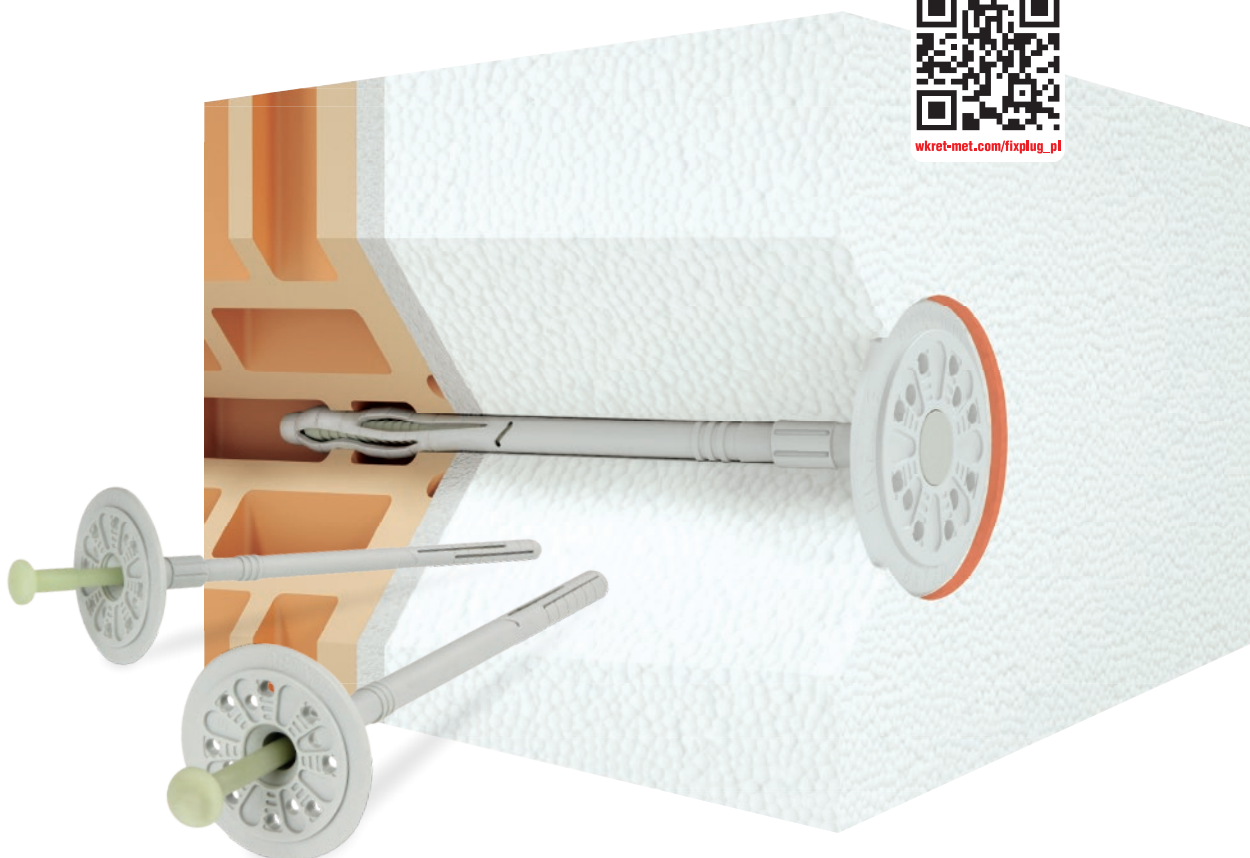
RESISTANCE

ETAG 014 use cat.	Substrate	Density [kg/dm³]	Characteristic pull-out resistance
A	Concrete C12/15	≥ 2.25	0.60
A	Concrete C16/20-C50/60	≥ 2.30	0.90
B	Solid clay bricks	≥ 2.00	0.90
B	Calcium silica solid brick	≥ 2.00	0.90
C	Calcium silicate hollow blocks	≥ 1.60	0.60
C	Vertically perforated clay bricks	≥ 1.20	0.40
C	Lightweight concrete hollow block HBL	≥ 0.80	0.75
D	Lightweight concrete blocks LAC	≥ 1.05	0.60
E	Autoclaved aerate concrete AAC2	≥ 0.35	0.50
E	Autoclaved aerate concrete AAC7	≥ 0.65	0.75

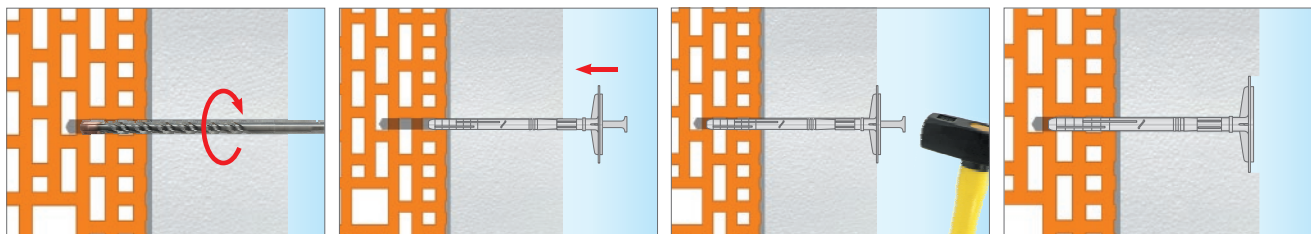
Partial safety factor for anchor resistance $\gamma_m = 2$ (valid in absence of national regulations)

INSTALLATION DATA

Fastener type	FIXPLUG 8
Min. base material thickness h_{min} [mm]	100
Minimum anchor spacing L_{os} [mm]	100
Minimum edge distance C_{min} [mm]	100



Installation spot visible



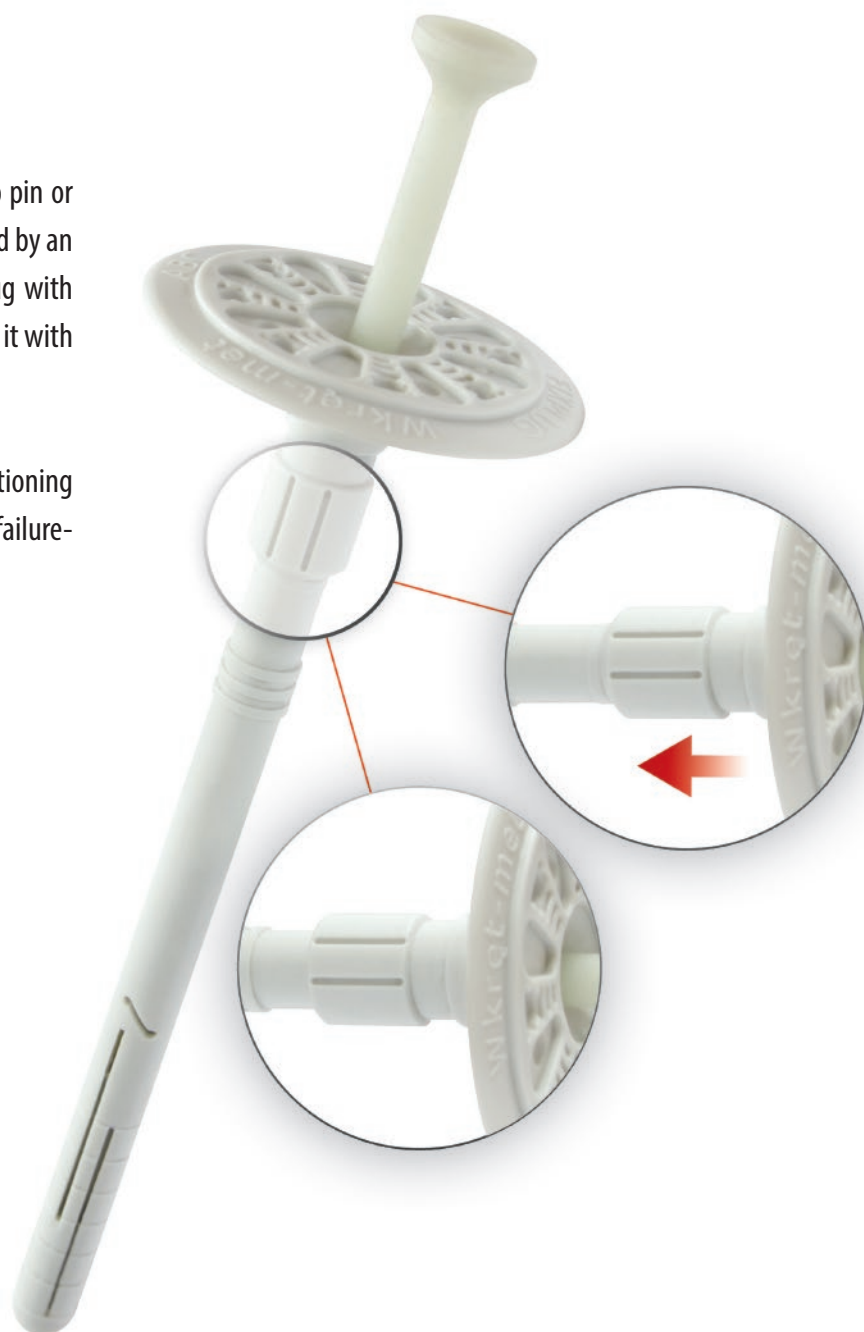
FIXPLUG

Eliminates installation errors

Installation of standard fasteners often leads to pin or even whole fastener fracture. This is often caused by an installation error involving restriking of the plug with the expansion pin already placed inside (to level it with insulation material).

FIXPLUG telescopic design enables proper positioning of the expansion pin which ensures easy and failure-free installation.

FIXPLUG fasteners come as a breakthrough for thermal insulation systems.



Special 4-way expansion guarantees secure installation in ETAG 014; A B and C type materials even when the drill hole has not been cleaned properly.

The telescopic design eliminates the problem of pin fracture even during heavy hammering. This results in secure installation with no damage to the pin.

Controlled failure zone of the washer eliminates installation errors by sinking the washer in the insulation material. It is also easier to mask the washer.

FIXPLUG-10

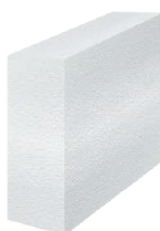
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Description






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ETAG 014 use cat.

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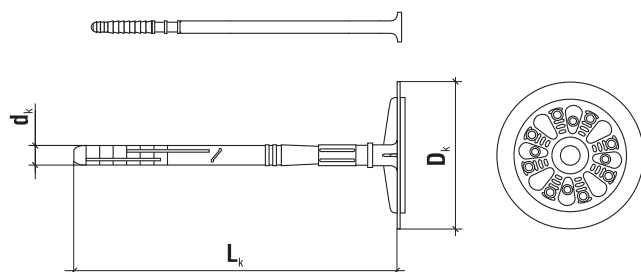


Washer design

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Product marking

FIXPLUG	10	120	(200)
Fastener type	Diameter	Length	Number of pieces in a box

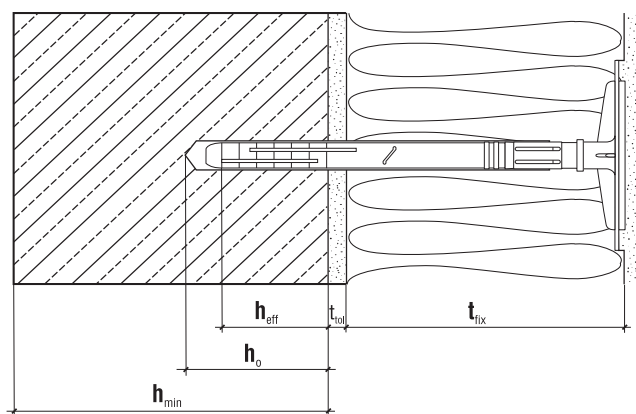
PRODUCT RANGE

	Code	$d_k \times L_k$ [mm]	Insulation material thickness t_{fix} [mm]				Szt. 
			New buildings		Old buildings		
			t_{tol} adhesive layer of 10 mm		t_{tol} adhesive layer of 10 mm + 20 mm of old plaster		
			A B	C D E	A B	C D E	
ø10	FIXPLUG10120(200)	10x120	80	60	60	40	200
	FIXPLUG10140(200)	10x140	100	80	80	60	200
	FIXPLUG10160(200)	10x160	120	100	100	80	200
	FIXPLUG10180(200)	10x180	140	120	120	100	200
	FIXPLUG10200(200)	10x200	160	140	140	120	200
	FIXPLUG10220(100)	10x220	180	160	160	140	100
	FIXPLUG10260(100)	10x260	220	200	200	180	100

TECHNICAL DATA

Parameter	Unit	Value
Plug diameter	d_k [mm]	10
Washer diameter	D_k [mm]	60
Anchorage depth	h_{eff} [mm]	30/50*
Drilled hole depth	h_o [mm]	40/60*
Thermal conductivity	χ [W/K]	0.00
Washer stiffness	S [kN/mm]	0.60
Use categories	-	A B C D E
Plug material	-	PE
Pin material	-	PA + GF
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* - ETAG 014, use category C, D, E



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Minimum anchor spacing L_{os} [mm]	100
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Installation spot visible

