UNIVERSAL

R-TFIX-8M

HAMMER-IN FACADE FIXING WITH METAL NAIL

Versatile hammer-in facade fixing with steel nail recommended for ETICS

FEATURES AND BENEFITS

- Quick and easy installation in all substrates (categories A, B, C, D, E).
- Unique sleeve compression zone for precision installations.
- Reduced point thermal transmittance to 0.001 W/K for sizes 135-295 mm and to 0.002 W/K for sizes 95-115 mm.
- Pre-assembled components of the fixing allow you to save time.
- Highest loads with anchoring zone reduced in length to 25 mm.
- Excellent plate stiffness (value 1.0 kN/mm) ensures smooth elevation surface and stable insulation system.
- Increased head diameter enabling centric hammer driving for improvedinstallation comfort.

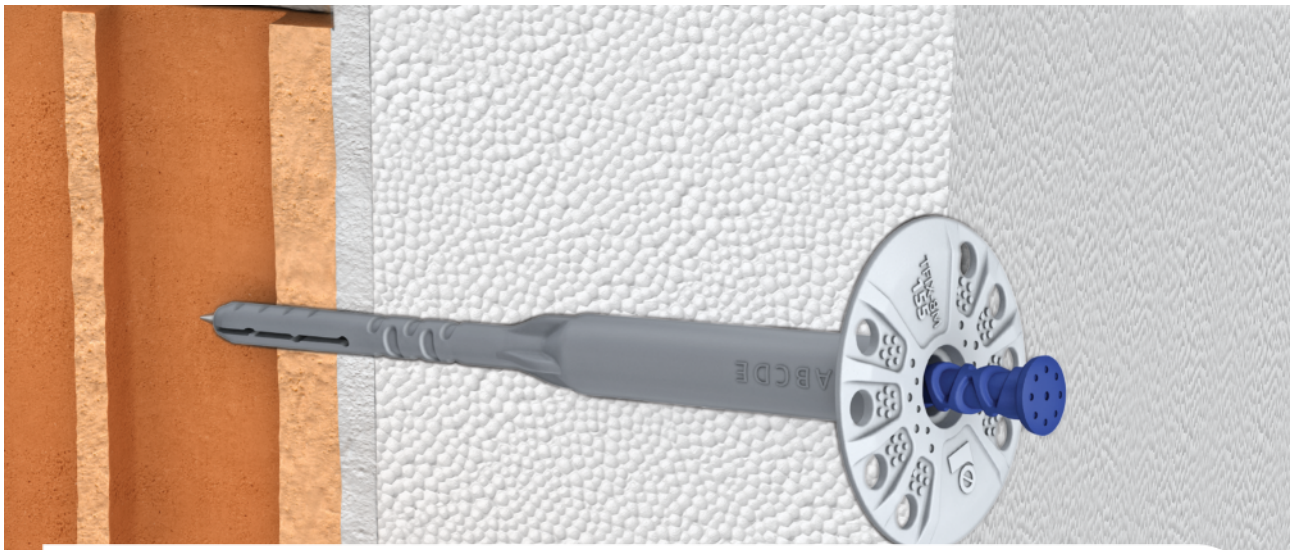
SUBSTRATES

- Concrete C12/15-C50/60 (A)
- External wall panel of concrete C16/20 – C50/60 (A)
- Solid brick (B)
- Solid sand-lime brick (B)
- Hollow brick (C)
- Hollow sand-lime brick (C)
- Lightweight concrete block (C)
- Hollow lightweight concrete block (D)



R-TFIX-8M

HAMMER-IN FACADE FIXING WITH METAL NAIL



The product is ideal for energy-efficient and passive construction thanks to a fivefold extended thermal barrier, reducing thermal bridges by up to 50% — down to 0.001–0.002 W/K. Its low thermal transmittance also minimizes the risk of localized discoloration on the facade. The driving technique, combined with the pre-assembled pin, ensures the fastest installation among facade anchors.

APPLICATIONS

Facades - thermal insulation systems

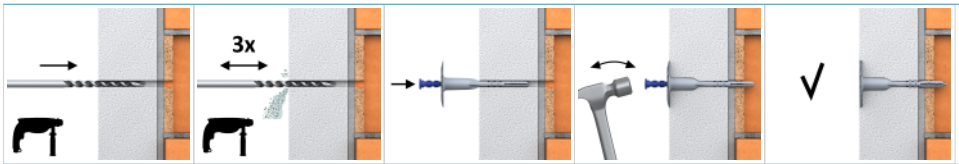




Warsaw, Poland
Skyliner office building

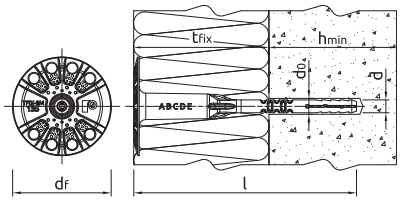
R-TFIX-8M HAMMER-IN FACADE FIXING WITH METAL NAIL

INSTALLATION GUIDE

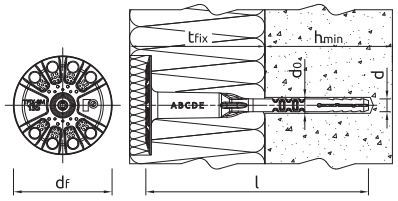


1. Drill a hole of required diameter and depth.
2. Drilling depth of min 35 mm in A, B, C, D materials and 55 mm in Aerated Concrete Block.
3. Clean drilled hole 3 times.
4. After inserting the fixing in the hole, the plate should be pressed against the thermal insulation surface.
5. Embedment depth of min 25 mm in A, B, C, D materials and 45 mm in Aerated Concrete Block.
6. Hammer the nail into the plastic sleeve until fixing is secure and flush with insulation material.
7. In soft insulation panels the fixing should be combined with insulation retaining plates KWL-90, KWL-110, KWL-140.

INSTALLATION DATA



Surface mounting
R-TFIX-8M (135 ÷ 295)



Countersunk mounting
R-TFIX-8M (135 ÷ 295)

SKU	Fixing			Fixture	
	Diameter	Plate diameter	Lenght	Recommended thickness	Recommended thickness
	d	D	l	t_{fix} A, B, C, D	t_{fix} E
	mm	mm	mm	mm	mm
R-TFIX-8M-095	8	60	95	60	40
R-TFIX-8M-115	8	60	115	80	60
R-TFIX-8M-135	8	60	135	100	80/60
R-TFIX-8M-155	8	60	155	120	100/80
R-TFIX-8M-175	8	60	175	140	120/100
R-TFIX-8M-195	8	60	195	160	140/120
R-TFIX-8M-215	8	60	215	180	160/140
R-TFIX-8M-235	8	60	235	200	180/160
R-TFIX-8M-255	8	60	255	220	200/180
R-TFIX-8M-275	8	60	275	240	220/200
R-TFIX-8M-295	8	60	295	260	240/220

Use category			A, B, C, D	E	E
Hole diameter in substrate	d_0	[mm]	8	8	8
Min. installation depth	h_{nom}	[mm]	25	45	65[2]
Min. substrate thickness [1]	h_{min}	[mm]	100	100	100
Min. hole depth in substrate	h_0	[mm]	35	55	75[2]
Min. edge distance	c_{min}	[mm]	100	100	100
Min. spacing	s_{min}	[mm]	100	100	100

[1] Min. thickness of external wall panel of concrete h_{min} = 40 mm

[2] Do not concern R-TFIX-8M-095 and R-TFIX-8M-115

BASIC PERFORMANCE DATA

R-TFIX-8M HAMMER-IN FACADE FIXING WITH METAL NAIL

Fixing type			R-TFIX-8M	R-TFIX-8M-095
Embedment depth	h_{ef}	[mm]	25 [3]/45 [4]	25 [3]/45 [4]
CHARACTERISTIC LOAD				
TENSION LOAD				
Concrete C12/15 (A) [1]	F_{Rk}	[kN]	1,1	1,1
Concrete C16/20 - C50/60 (A) [1]	F_{Rk}	[kN]	1,2	1,2
External wall panel of concrete C16/20 - C50/60 (A) [1], [2]	F_{Rk}	[kN]	1,0	-
Solid clay bricks MZ min. 12MPa (B) [1]	F_{Rk}	[kN]	1,1	-
Solid sand-lime bricks min. 12MPa (B) [1]	F_{Rk}	[kN]	1,2	1,2
Lightweight aggregate concrete solid blocks Vbl min. 4MPa (B) [2]	F_{Rk}	[kN]	1,2	1,2
Perforated sand-lime bricks SENDWIX 8DF-LD min. 21MPa (C) [2]	F_{Rk}	[kN]	-	0,5
Perforated sand-lime bricks KSL min. 12MPa (C) [1]	F_{Rk}	[kN]	1,1	-
Vertically perforated clay bricks Porotherm min. 15MPa (C) [2]	F_{Rk}	[kN]	0,9	0,9
TeknoAmerBlok PK17,8 min. 12,5MPa (C) [1]	F_{Rk}	[kN]	0,5	-
Vertically perforated clay bricks HLz min.12MPa (C) [2]	F_{Rk}	[kN]	0,75	-
Lightweight concrete hollow block, Hbl min. 2MPa (C) [2]	F_{Rk}	[kN]	-	0,6
Lightweight aggregate concrete hollow blocks LAC min. 4MPa (D) [2]	F_{Rk}	[kN]	-	0,5
Autoclaved aerated concrete AAC5 min. 5MPa (E) h_{ef} = 45mm [2]	F_{Rk}	[kN]	0,6	-
Autoclaved aerated concrete AAC5 min. 5MPa (E) h_{ef} = 65mm [2]	F_{Rk}	[kN]	1,0	-
Autoclaved aerated concrete AAC4 min. 4MPa (E) [2]	F_{Rk}	[kN]	-	0,55
DESIGN LOAD				
TENSION LOAD				
Concrete C12/15 (A) [1]	F_{Rd}	[kN]	0,6	0,6
Concrete C16/20 - C50/60 (A) [1]	F_{Rd}	[kN]	0,6	0,6
External wall panel of concrete C16/20 - C50/60 (A) [1], [2]	F_{Rd}	[kN]	0,5	-
Solid clay bricks MZ min. 12MPa (B) [1]	F_{Rd}	[kN]	0,6	-
Solid sand-lime bricks min. 12MPa (B) [1]	F_{Rd}	[kN]	0,6	0,6
Lightweight aggregate concrete solid blocks Vbl min. 4MPa (B) [2]	F_{Rd}	[kN]	0,6	0,6
Perforated sand-lime bricks SENDWIX 8DF-LD min. 21MPa (C) [2]	F_{Rd}	[kN]	-	0,3
Perforated sand-lime bricks KSL min. 12MPa (C) [1]	F_{Rd}	[kN]	0,6	-
Vertically perforated clay bricks Porotherm min. 15MPa (C) [2]	F_{Rd}	[kN]	0,5	0,5
TeknoAmerBlok PK17,8 min. 12,5MPa (C) [1]	F_{Rd}	[kN]	0,3	-
Vertically perforated clay bricks HLz min.12MPa (C) [2]	F_{Rd}	[kN]	0,4	-
Lightweight concrete hollow block, Hbl min. 2MPa (C) [2]	F_{Rd}	[kN]	-	0,3
Lightweight aggregate concrete hollow blocks LAC min. 4MPa (D) [2]	F_{Rd}	[kN]	-	0,3
Autoclaved aerated concrete AAC5 min. 5MPa (E) h_{ef} = 45mm [2]	F_{Rd}	[kN]	0,3	-
Autoclaved aerated concrete AAC5 min. 5MPa (E) h_{ef} = 65mm [2]	F_{Rd}	[kN]	0,5	-
Autoclaved aerated concrete AAC4 min. 4MPa (E) [2]	F_{Rd}	[kN]	-	0,3
RECOMMENDED LOAD				
TENSION LOAD				
Concrete C12/15 (A) [1]	F_{rec}	[kN]	0,4	0,4
Concrete C16/20 - C50/60 (A) [1]	F_{rec}	[kN]	0,4	0,4
External wall panel of concrete C16/20 - C50/60 (A) [1], [2]	F_{rec}	[kN]	0,4	-
Solid clay bricks MZ min. 12MPa (B) [1]	F_{rec}	[kN]	0,4	-
Solid sand-lime bricks min. 12MPa (B) [1]	F_{rec}	[kN]	0,4	0,4
Lightweight aggregate concrete solid blocks Vbl min. 4MPa (B) [2]	F_{rec}	[kN]	0,4	0,4
Perforated sand-lime bricks SENDWIX 8DF-LD min. 21MPa (C) [2]	F_{rec}	[kN]	-	0,2
Perforated sand-lime bricks KSL min. 12MPa (C) [1]	F_{rec}	[kN]	0,4	-
Vertically perforated clay bricks Porotherm min. 15MPa (C) [2]	F_{rec}	[kN]	0,3	0,3
TeknoAmerBlok PK17,8 min. 12,5MPa (C) [1]	F_{rec}	[kN]	0,2	-
Vertically perforated clay bricks HLz min.12MPa (C) [2]	F_{rec}	[kN]	0,3	-
Lightweight concrete hollow block, Hbl min. 2MPa (C) [2]	F_{rec}	[kN]	-	0,2
Lightweight aggregate concrete hollow blocks LAC min. 4MPa (D) [2]	F_{rec}	[kN]	-	0,2
Autoclaved aerated concrete AAC5 min. 5MPa (E) h_{ef} = 45mm [2]	F_{Rd}	[kN]	0,2	-
Autoclaved aerated concrete AAC5 min. 5MPa (E) h_{ef} = 65mm [2]	F_{rec}	[kN]	0,4	-
Autoclaved aerated concrete AAC4 min. 4MPa (E) [2]	F_{rec}	[kN]	-	0,2

[1] Hammer drilling

[2] Rotary drilling only

[3] Use category A, B, C, D

[4] Use category E

DESIGN PERFORMANCE DATA

Fixing type			R-TFIX-8M
Diameter of the anchor plate	d_f	[mm]	60
Plate resistance	-	[kN]	1,53
Plate stiffness	-	[kN/mm]	1,00

Fixing type			R-TFIX-8M	R-TFIX-8M-095
Insulation thickness 70 - 90mm	x	[W/K]	-	0,002
Insulation thickness 100 - 260mm	x	[W/K]	0,001	-

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LOGISTICAL DATA

SKU	Base-sales unit	Unit pack	Bulk pack	Pallet	Single Package - Gross Weight	Bulk Package - Gross Weight	Palette - Gross Weight	Barcode
R-TFIX-8M-095	pcs.	200.0	200.0	9600.0	4.5	4.9	235.4	5906675269412
R-TFIX-8M-115	pcs.	200.0	200.0	8000.0	5.2	5.5	220.6	5906675269429
R-TFIX-8M-135	pcs.	200.0	200.0	8000.0	7.6	7.6	302.2	5906675269436
R-TFIX-8M-155	pcs.	200.0	200.0	6400.0	5.7	5.7	183.1	5906675269443
R-TFIX-8M-175	pcs.	200.0	200.0	6400.0	6.4	6.4	205.2	5906675269450
R-TFIX-8M-195	pcs.	200.0	200.0	6400.0	7.0	7.0	223.9	5906675269467
R-TFIX-8M-215	pcs.	100.0	100.0	4000.0	4.3	4.3	170.0	5906675269474
R-TFIX-8M-235	pcs.	100.0	100.0	4000.0	4.7	4.7	186.3	5906675269481
R-TFIX-8M-255	pcs.	100.0	100.0	4000.0	5.0	5.0	198.6	5906675269498
R-TFIX-8M-275	pcs.	100.0	100.0	4000.0	5.3	5.3	212.1	5906675269504
R-TFIX-8M-295	pcs.	100.0	100.0	4000.0	5.6	5.6	223.6	5906675269511

RELATED PRODUCTS

DRILLING	Manual	Cordless Hammer 18V SDS plus **R-PRH18** 	Cordless drill/driver 18V 100Nm **R-PDD18-P100-S** 	Drill bits Brickdrill SDS plus **RT-SDSB** 	Drill bits Rebardrill SDS plus **RT-SDSR** 	Drill bits Aggressor SDS plus **RT-SDSA** 
ANCHORING	Manual	Dead Blow Hammer **R-HDH** 				
	Accesories	Counterbore cutter **R-KFS** 	Insulation retaining plate **R-KWL** 	CAP **R-TFIX-CAP63** 		