

# R-TFIX-8M HAMMER-IN FACADE FIXING

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



ETA 17/0592  
KOT-2021/1550  
UKTA-22/6290

## 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 size 135 - 295 mm  
and 0.002 W/K for size 95 - 115 mm









Highest loads with anchoring  
zone reduced in length to 25 mm

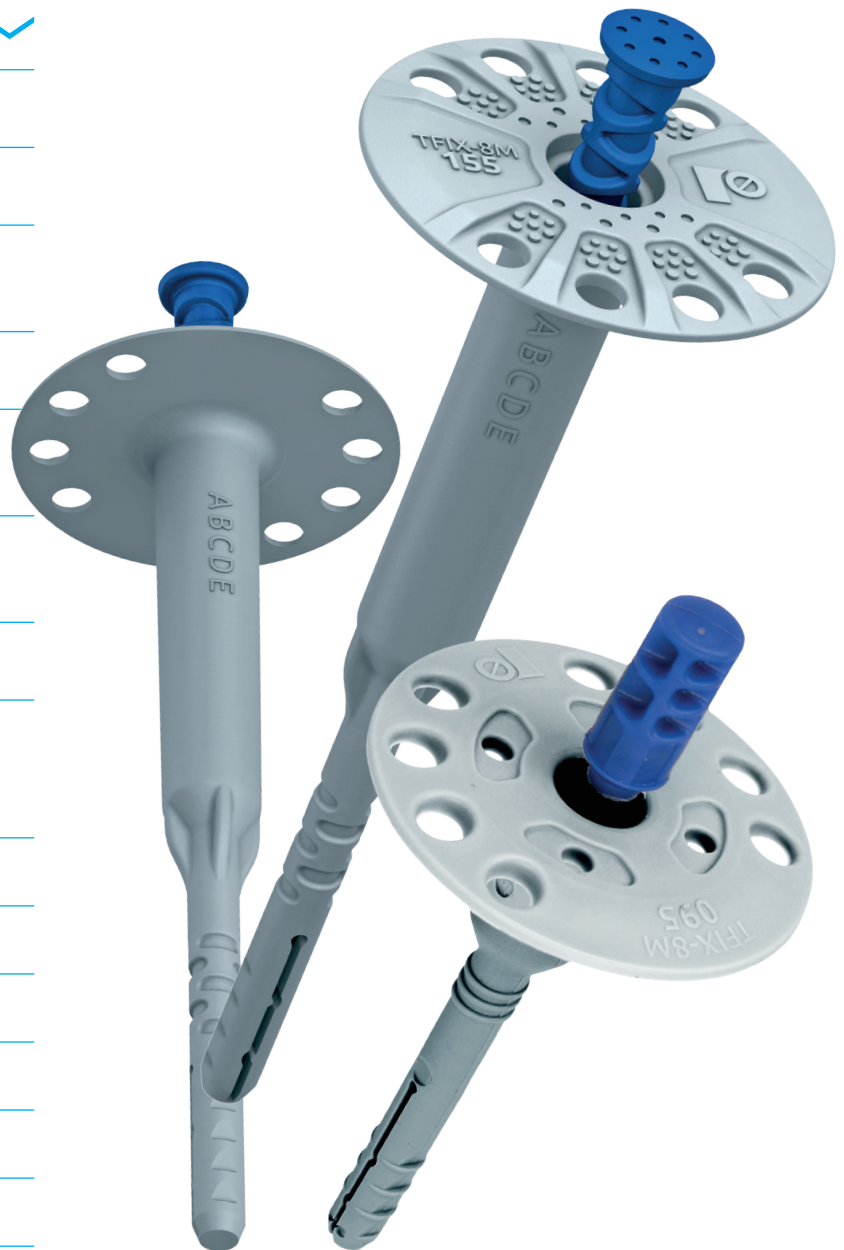
Excellent plate stiffness (value 1.0 kN/mm)  
ensures smooth elevation surface  
and stable insulation system

Increased head diameter enabling  
centric hammer driving for improved  
installation comfort

Pre-assembled components  
of the fixing allow you to save time

## BASE MATERIALS

-  Concrete C12/15-C50/60  
(use category A)
-  External wall panel of concrete  
C16/20 – C50/60 (use category A)
-  Solid brick  
(use category B)
-  Solid sand-lime brick  
(use category B)
-  Hollow sand-lime brick  
(use category C)
-  Vertically-perforated clay block  
(use category C)
-  Hollow lightweight concrete block  
(use category D)
-  Autoclaved aerated concrete  
(use category E)





The product is particularly recommended for energy-efficient and passive construction projects. Its new design, featuring 5 times longer thermal barrier between the steel nail and the facade surface, ensures point thermal bridges reduced by as much as 50%, i.e. to 0.001 W/K for size 135 - 295 mm and 0.002 W/K for size 95 - 115 mm, compared to the most popular products available in the market. Bear in mind that low thermal permeability of the fixing is one of its main properties that eliminates the risk of discolouration spots on the facade. The only product certified for anchoring thermal insulation boards in 40 mm thick concrete slab structures, where the thin substrate wall is typically a major constraint for efficient fixing. High strength parameters of the fixing make it suitable for diverse applications in substrates of all types (ABCDE) and with all kinds of thermal insulation systems, which has been confirmed in European Technical Assessments (ETAs). The hammer-in technique combined with a two-component fixing with an expansion pin is a guarantee of the fastest installation compared to other facade fixings.

## APPLICATIONS

External Thermal Insulation Composite Systems (ETICS)

Polystyrene (EPS) boards

Mineral wool (MW) boards

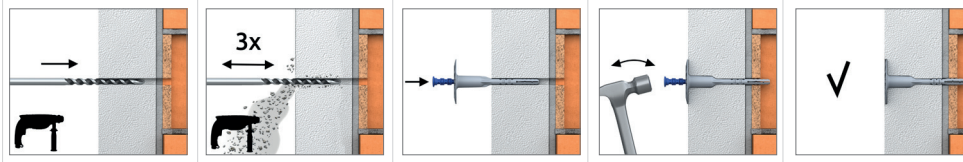
Polyurethane (PU) boards

Cork boards

Light wood wool building boards

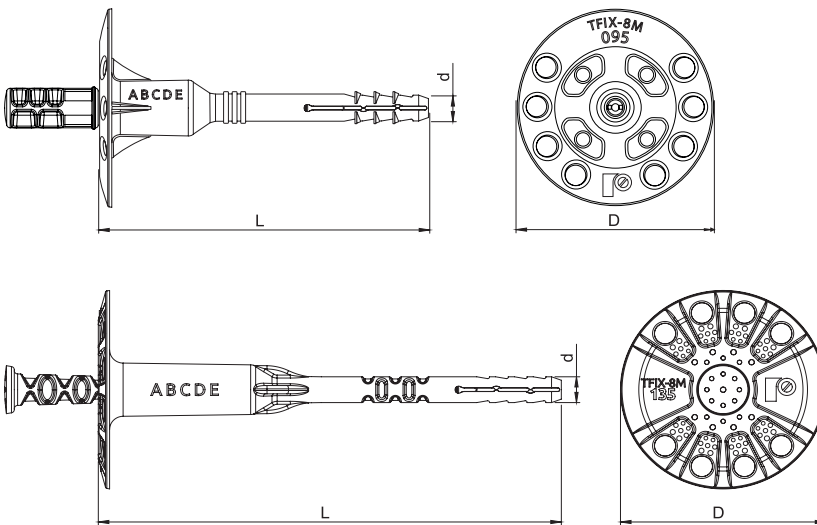


### INSTALLATION GUIDE



1. Drill a hole of required diameter and depth
2. Drilling depth of min 35 mm in A, B, C, D materials and 55/75 mm in areated concrete block.
3. Clean drilled hole 3 times.
4. Bottom side of the plate must be flush with the ETICS.
5. Embedment depth of min 25 mm in A, B, C, D materials and 45/65 mm in areated 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 size 90, 110, 140 mm.

### PRODUCT INFORMATION



Size	Product Code	Fixing			Fixture	
		Diameter	Plate diameter	Length	Recommended thickness	
		d	L	D	t <sub>fix, A, B, C, D</sub>	t <sub>fix, E</sub>
		[mm]			25	45/65*
M8	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	

\*65 mm for size 135 - 295 mm

### INSTALLATION DATA

Substrate			A, B, C, D	E	External wall panel
Hole diameter in substrate	d <sub>0</sub>	[mm]	8	8	8
Min. hole depth in substrate	h <sub>0</sub>	[mm]	35	55/75	35
Min. installation depth	h <sub>nom</sub>	[mm]	25	45/65	25
Min. substrate thickness	h <sub>min</sub>	[mm]	100	100	40
Min. spacing	s <sub>min</sub>	[mm]	100	100	100
Min. edge distance	c <sub>min</sub>	[mm]	100	100	100
Fixing diameter	d	[mm]	8	8	8

### BASIC PERFORMANCE DATA

Performance data for single anchor without influence of edge distance and spacing

Substrate		Concrete C12/15	Concrete min. C16/20	External wall panel of concrete	Solid clay brick min. 20 MPa	Sand-lime brick min. 30 MPa	Sand-lime hollow block min. 20 MPa	Hollow brick min. 15 MPa	Prefabricated reinforced components of lightweight aggregate concrete 4 MPa	Aerated concrete AAC4	Aerated concrete AAC5
Effective embedment depth $h_{ef}$	[mm]	25	25	25	25	25	25	25	25	45	65
MEAN ULTIMATE LOAD $N_{Rk,m}$											
R-TFIX-8M	[kN]	1.41	1.54	1.41	1.54	1.54	1.41	1.41	1.41	0.70	1.28
CHARACTERISTIC LOAD $N_{Rk}$											
R-TFIX-8M	[kN]	1.10	1.20	1.20	1.20	1.20	1.10	0.50	0.50	0.55	1.00
DESIGN LOAD $N_{Rd}$											
R-TFIX-8M	[kN]	0.55	0.60	0.55	0.60	0.60	0.55	0.25	0.25	0.28	0.50
RECOMMENDED LOAD $N_{rec}$											
R-TFIX-8M	[kN]	0.39	0.43	0.39	0.43	0.43	0.39	0.18	0.18	0.20	0.36

Fixing type		R-TFIX-8M
Plate resistance	[kN]	1.53
Plate stiffness	[kN/mm]	1
Point thermal transmittance	[W/K]	0.001/0.002*








\*0.002 W/K for size 95-115 mm

### PRODUCT COMMERCIAL DATA

Size	Rawlplug code	Fixing			Quantity			Weight			EAN
		Diameter	Plate diameter	Length	Box	Outer	Pallet	Box	Outer	Pallet	
		mm	mm	mm	pcs	pcs	pcs	kg	kg	kg	
Ø8	R-TFIX-8M-095	8	60	95	200	200	9600	4.54	4.54	220.2	5906675269412
	R-TFIX-8M-115	8	60	115	200	200	8000	5.15	5.15	206.0	5906675269429
	R-TFIX-8M-135	8	60	135	200	200	8000	5.7	5.7	258.8	5906675269436
	R-TFIX-8M-155	8	60	155	200	200	6400	6.4	6.4	235.2	5906675269443
	R-TFIX-8M-175	8	60	175	100	100	4000	7.0	7.0	253.9	5906675269450
	R-TFIX-8M-195	8	60	195	100	100	4000	7.6	7.6	271.7	5906675269467
	R-TFIX-8M-215	8	60	215	100	100	4000	4.3	4.3	200.0	5906675269474
	R-TFIX-8M-235	8	60	235	100	100	4000	4.7	4.7	216.3	5906675269481
	R-TFIX-8M-255	8	60	255	100	100	4000	5.0	5.0	228.6	5906675269498
	R-TFIX-8M-275	8	60	275	100	100	4000	5.3	5.3	242.1	5906675269504
R-TFIX-8M-295	8	60	295	100	100	4000	5.6	5.6	253.6	5906675269511	

- 1) ETA 17/0592
- 2) KOT-2021/1550
- 3) UKTA-22/6290

## RELATED PRODUCTS

<p>Dead blow hammer <b>R-HDH-600</b></p> 	<p>Insulation retaining plate <b>R-KWL-140</b></p> 	<p>Insulation retaining plate <b>KWL-110PP</b></p> 	<p>Insulation retaining plate <b>R-KWL-090</b></p> 
<p>Hammer with a special system that absorbs the impact energy</p>	<p>Insulation retaining plate for use in combination with facade fixings from TFIX and KI ranges</p>	<p>Insulation retaining plate for use in combination with facade fixings from TFIX and KI ranges</p>	<p>Insulation retaining plate for use in combination with facade fixings from TFIX and KI ranges</p>
<p>Drill bits <b>Aggressor SDS Plus</b></p> 	<p>Drill bits <b>Rebardrill SDS Plus</b></p> 	<p>Drill bits <b>Brickdrill SDS Plus</b></p> 	
<p>Drill bits SDS plus for fast drilling in concrete</p>	<p>High-quality SDS plus drill bits for drilling in reinforced concrete</p>	<p>Drill bits for non-impact drilling in ceramic materials</p>	

Cordless RawlHammer  
18 V SDS plus  
**RawlHammer R-PRH18**



The cordless rotary hammer with 18 V battery voltage and 2 J impact energy, compatible with SDS plus accessories, is the perfect solution for the preparation of cylindrical and axial holes