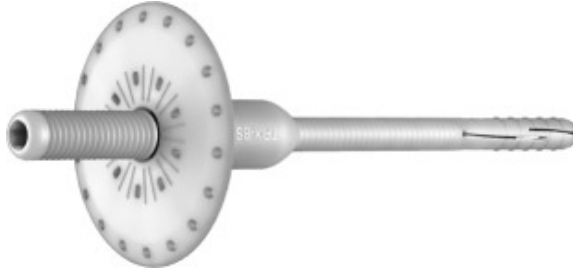


TFIX-8S Universal Facade Fixing

Versatile screw-in facade fixing with high performance in all base materials recommended for ETICS



Approvals and Reports

- ETA-11/0144
- UKTA-22/6339



Product information

Features and benefits

- Quick and easy installation in all substrates (categories A,B,C,D,E)
- Unique sleeve compression zone for precision installations.
- The long plastic overmoulding on the TFIX-8S screw minimises thermal bridging (value 0.002W/K), contributing to energy-saving benefits
- Plate stiffness (value 0.6 kN/mm) ensures smooth elevation surface and stable insulation system.
- Pre-assembled screw saves time and labour.
- Unique design allows for high load-bearing capacities. This reduces the quantity of fixings required per square metre of insulation
- The shortest embedment depth at the maximum strength parameters

Applications

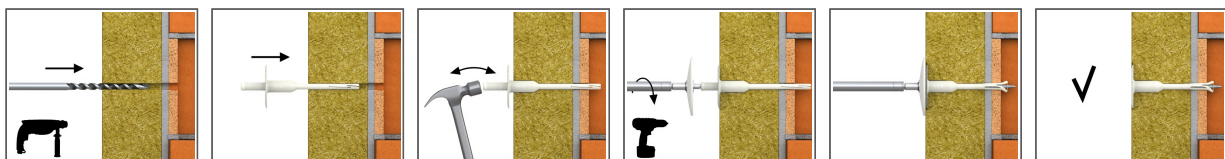
- External Thermal Insulation Composite Systems (ETICS)
- Polystyrene (EPS) boards
- Mineral wool (MW) boards
- Light wood wool building boards
- Polyurethane (PU) boards
- Cork boards

Base materials

Approved for use in:

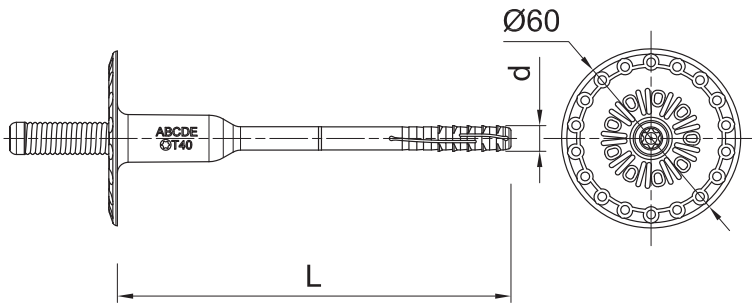
- Concrete C12/15-C50/60 (Use category A)
- Solid Brick (Use category B)
- Solid Sand-lime Brick (Use category B)
- Hollow Brick (Use category C)
- Hollow Sand-lime Brick (Use category C)
- Vertically-perforated clay block (Use category C)
- Lightweight Concrete Block (Use category C)
- Hollow Lightweight Concrete Block (Use category D)
- Reinforced components of lightweight aggregate concrete (Use category D)
- Aerated Concrete Block (Use category D)

Installation guide



1. Drill a hole of required diameter and depth
2. Drilling depth of min 40mm in A,B,C,D materials and 80mm in Aerated Concrete Block
3. Lightly tap the plastic sleeve through the insulation material into hole with a hammer, until fixing depth is reached
4. Embedment depth of min 25mm in A,B,C,D materials and 65mm in Aerated Concrete Block
5. Tighten screw (ideally using special TFIX-8S-TOOL setting tool) until fixing is secure and flush with insulation material.
6. In soft insulation panels the fixing should be combined with insulation retaining plates KWL-90, KWL-110, KWL-140.

Product information



Size	Product Code	Fixing			Fixture	
		Diameter	Length	Plate diameter	Recommended thickness	
		d	L	D	t _{fix} A, B, C, D	t _{fix} E
[mm]						
Ø08	TFIX-8S-115	8	115	60	80	40
	TFIX-8S-135	8	135	60	100	60
	TFIX-8S-155	8	155	60	120	80
	TFIX-8S-175	8	175	60	140	100
	TFIX-8S-195	8	195	60	160	120
	TFIX-8S-215	8	215	60	180	140
	TFIX-8S-235	8	235	60	200	160
	TFIX-8S-255	8	255	60	220	180
	TFIX-8S-275	8	275	60	240	200
	TFIX-8S-295	8	295	60	260	220
	TFIX-8S-335	8	335	60	300	260
	TFIX-8S-355	8	355	60	320	280
	TFIX-8S-375	8	375	60	340	300
	TFIX-8S-395	8	395	60	360	320
	TFIX-8S-415	8	415	60	380	340
TFIX-8S-435	8	435	60	400	360	
TFIX-8S-455	8	455	60	420	380	

Installation data

Substrate			A, B, C, D	E
Hole diameter in substrate	d ₀	[mm]	8	8
Min. hole depth in substrate	h ₀	[mm]	40	80
Min. installation depth	h _{nom}	[mm]	25	65
Min. substrate thickness	h _{min}	[mm]	100	100
Min. spacing	s _{min}	[mm]	100	100
Min. edge distance	c _{min}	[mm]	100	100
Fixing diameter	d	[mm]	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	Concrete C50/60	Solid brick Mz	Vertically perforated clay brick HLZ	Sand-lime solid brick KS	Sand-lime perforated brick KSL	Lightweight concrete solid brick V	Lightweight concrete hollow block HBL 4MPa	Lightweight concrete hollow block HBL 6MPa	Prefabricated reinforced components of lightweight aggregate concrete 4MPa	Prefabricated reinforced components of lightweight aggregate concrete 6MPa	Autoclaved aerated concrete AAC 4MPa	Autoclaved aerated concrete AAC 6MPa
		Effective embedment depth h _{ef}	[mm]	25	25	25	25	25	25	25	25	25	25	25	65
MEAN ULTIMATE LOAD N _{Ru,m}															
TFIX-8S	[kN]	1.64	2.03	1.74	1.68	0.94	1.32	1.15	0.64	0.48	0.71	0.66	0.99	1.08	1.61

Basic performance data

Substrate	CHARACTERISTIC LOAD N_{Rk}														
	[kN]	Concrete C12/15	Concrete min. C16/20	Concrete C50/60	Solid brick Mz	Vertically perforated clay brick HLZ	Sand-lime solid brick KS	Sand-lime perforated brick KSL	Lightweight concrete solid brick V	Lightweight concrete hollow block HBL 4MPa	Lightweight concrete hollow block HBL 6MPa	Prefabricated reinforced components of lightweight aggregate concrete 4MPa	Prefabricated reinforced components of lightweight aggregate concrete 6MPa	Autoclaved aerated concrete AAC 4MPa	Autoclaved aerated concrete AAC 6MPa
TFIX-8S	[kN]	1.20	1.50	1.20	1.20	0.75	0.90	0.90	0.50	0.40	0.60	0.40	0.60	0.90	1.20
DESIGN LOAD N_{Rd}															
TFIX-8S	[kN]	0.60	0.75	0.60	0.60	0.38	0.45	0.45	0.25	0.20	0.30	0.20	0.30	0.45	0.60
RECOMMENDED LOAD N_{rec}															
TFIX-8S	[kN]	0.43	0.54	0.43	0.43	0.27	0.32	0.32	0.18	0.14	0.21	0.14	0.21	0.32	0.43

Fixing type		TFIX-8S
Plate resistance	[kN]	2.04
Plate stiffness	[kN/mm]	0.6
Point thermal transmittance	[W/K]	0.002

Product commercial data

Size	Product Code	Fixing			Quantity [pcs]			Weight [kg]			Bar Codes
		Diameter [mm]	Length [mm]	Plate diameter [mm]	Box	Outer	Pallet	Box	Outer	Pallet	
Ø8	TFIX-8S-115 ¹⁾	8	115	60	200	200	8000	5.8	5.8	263.7	5906675033853
	TFIX-8S-135 ¹⁾	8	135	60	200	200	8000	6.4	6.4	286.4	5906675027579
	TFIX-8S-155 ¹⁾	8	155	60	200	200	6400	7.2	7.2	259.8	5906675028774
	TFIX-8S-175 ¹⁾	8	175	60	200	200	6400	7.8	7.8	278.9	5906675028323
	TFIX-8S-195 ¹⁾	8	195	60	200	200	6400	8.5	8.5	301.7	5906675027845
	TFIX-8S-215 ¹⁾	8	215	60	100	100	4000	4.8	4.8	223.5	5906675028026
	TFIX-8S-235 ¹⁾	8	235	60	100	100	4000	5.1	5.1	233.8	5906675028347
	TFIX-8S-255 ¹⁾	8	255	60	100	100	4000	5.4	5.4	244.0	5906675049670
	TFIX-8S-275 ¹⁾	8	275	60	100	100	4000	5.7	5.7	258.0	5906675018843
	TFIX-8S-295 ¹⁾	8	295	60	100	100	4000	6.2	6.2	276.0	5906675018850
	TFIX-8S-335 ¹⁾	8	335	60	100	100	4000	6.7	6.7	297.4	5906675018867
	TFIX-8S-355	8	355	60	100	100	3200	7.3	7.3	263.3	5906675088044
	TFIX-8S-375 ¹⁾	8	375	60	100	100	3200	7.5	7.5	271.1	5906675087313
	TFIX-8S-395 ¹⁾	8	395	60	50	50	1600	4.3	4.3	166.1	5906675079042
	TFIX-8S-415 ¹⁾	8	415	60	50	50	1600	4.5	4.5	172.3	5906675088822
	TFIX-8S-435 ¹⁾	8	435	60	50	50	1600	4.6	4.6	177.3	5906675117140
TFIX-8S-455 ¹⁾	8	455	60	50	50	1600	4.7	4.7	180.1	5906675335131	

1) ETA-11/0144