

MBA Steel facade fixing

Fire-resistant metal insulation fixing



Product information

Features and benefits

- Metal facade fixing, recommended for use when fire resistance (F120) is a requirement
- Fast and simple hammer-set installation reduces working times.
- Extensive dimensional range allows anchorage of insulation boards up to 250mm thick
- Accessory spreader plate, MKC (80mm diameter) also available for installation of soft insulation materials such as mineral wool.

Applications

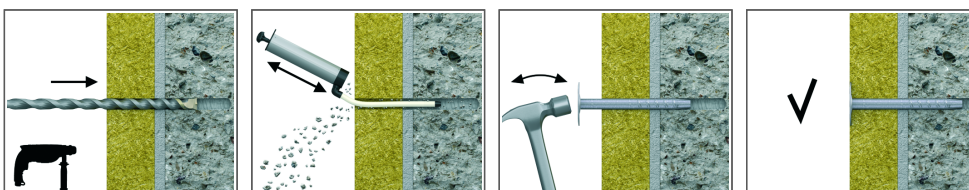
- Mineral wool
- Glass wool
- Lightweight wood wool building boards
- Lightweight recycled panels
- Polystyrene (EPS) boards
- Polyurethane (PU) boards

Base materials

Approved for use in:

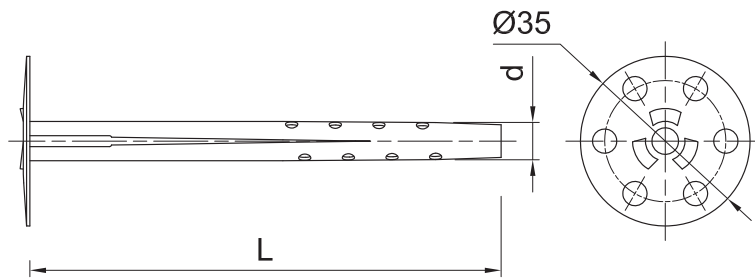
- Concrete C12/15-C50/60 (Use category A)
- Solid Brick (Use category B)
- Solid Sand-lime Brick (Use category B)
- Aerated Concrete Block (Use category E)

Installation guide



1. Drill a hole of required diameter and depth
2. With a hammer, lightly tap MBA fixing (with MKC washer where applicable) through the insulation material into hole, until fixing depth is reached.

Product information



Size	Product Code	Fixing			Fixture
		Diameter	Length	Plate diameter	Max. thickness
		d	L	D	t _{fix}
[mm]					
Ø8	MBA-08090	8	90	40	40
	MBA-08110	8	110	40	60
	MBA-08140	8	140	40	90
	MBA-08170	8	170	40	120
	MBA-08200	8	200	40	150
	MBA-08250	8	250	40	200
	MBA-08300	8	300	40	250

Installation data

Substrate			E	A, B
Fixing diameter	d	[mm]	8	8
Hole diameter in substrate	d ₀	[mm]	-	8
Min. hole depth in substrate	h ₀	[mm]	-	60
Installation depth	h _{nom}	[mm]	50	50
Min. substrate thickness	h _{min}	[mm]	100	100
Min. spacing	s _{min}	[mm]	100	100
Min. edge distance	c _{min}	[mm]	100	100

Basic performance data

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

Substrate		Concrete	Solid brick	Sand-lime solid brick	Autoclaved aerated concrete
Effective embedment depth h _{ef}	[mm]	50	50	50	50
MEAN ULTIMATE LOAD N_{Rt,m}					
MBA + MKC	[kN]	1.05	0.85	0.85	1.05
CHARACTERISTIC LOAD N_{Rk}					
MBA + MKC	[kN]	0.85	0.65	0.80	0.90
DESIGN LOAD N_{Rd}					
MBA + MKC	[kN]	0.34	0.22	0.32	0.26
RECOMMENDED LOAD N_{rec}					
MBA + MKC	[kN]	0.24	0.16	0.23	0.19

Pull the fixing plate through the insulation material with thickness 50mm acc. to TR15

Fixing type		MBA + MKC-80
Characteristic load	[kN]	0.32

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	MBA-08090	8	90	40	250	250	12000	5.0	5.0	270.0	5906675049809
	MBA-08110	8	110	40	250	250	12000	5.3	5.3	282.0	5906675049816
	MBA-08140	8	140	40	250	250	9000	5.4	5.4	223.5	5906675049830
	MBA-08170	8	170	40	250	250	9000	5.4	5.4	225.0	5906675049847
	MBA-08200	8	200	40	250	250	9000	5.7	5.7	234.2	5906675049854
	MBA-08250	8	250	40	125	125	6000	2.9	2.9	168.6	5906675073910
	MBA-08300	8	300	40	125	125	6000	6.1	6.1	321.6	5906675049878