

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

### Base materials

#### Approved for use in:

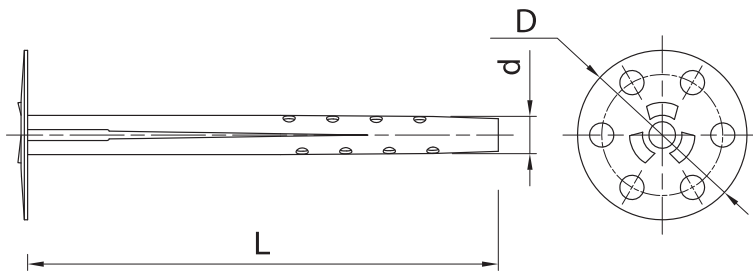
- Concrete C20/25-C50/60 (Use category A)
- Solid Brick (Use category B)
- Solid Sand-lime Brick (Use category B)
- Aerated Concrete Block (Use category E)

## 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 <sub>fix</sub>
[mm]					
Ø8	MBA-08090	8	90	35	40
	MBA-08110	8	110	35	60
	MBA-08140	8	140	35	90
	MBA-08170	8	170	35	120
	MBA-08200	8	200	35	150
	MBA-08250	8	250	35	200
	MBA-08300	8	300	35	250

## Installation data

Substrate			A, B	E
Fixing diameter	d	[mm]	8	8
Hole diameter in substrate	d <sub>0</sub>	[mm]	8	-
Min. hole depth in substrate	h <sub>0</sub>	[mm]	60	-
Installation depth	h <sub>nom</sub>	[mm]	50	50
Min. substrate thickness	h <sub>min</sub>	[mm]	100	100
Min. spacing	s <sub>min</sub>	[mm]	100	100
Min. edge distance	c <sub>min</sub>	[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 <sub>ef</sub>	[mm]	50	50	50	50
<b>MEAN ULTIMATE LOAD N<sub>Ru,m</sub></b>					
MBA + MKC	[kN]	1.05	0.85	0.85	1.05
<b>CHARACTERISTIC LOAD N<sub>rk</sub></b>					
MBA + MKC	[kN]	0.85	0.65	0.80	0.90
<b>DESIGN LOAD N<sub>Rd</sub></b>					
MBA + MKC	[kN]	0.34	0.22	0.32	0.26
<b>RECOMMENDED LOAD N<sub>rec</sub></b>					
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	35	250	250	12000	4.2	4.2	232.5	5906675049809
	MBA-08110	8	110	35	250	250	12000	4.9	4.9	262.7	5906675049816
	MBA-08140	8	140	35	250	250	10000	6.2	6.2	279.8	5906675049830
	MBA-08170	8	170	35	250	250	9000	7.3	7.3	294.1	5906675049847
	MBA-08200	8	200	35	250	250	9000	7.7	7.7	308.4	5906675049854
	MBA-08250	8	250	35	125	125	6000	4.9	4.9	265.0	5906675073910
	MBA-08300	8	300	35	125	125	6000	6.1	6.1	321.6	5906675049878