

ISOVER PROFI FASSADE ANCHOR PB

Advantages

- For fixing mineral wool and polystyrene
- Suitable for all substrates (A,B,C,D,E)
- It is part of the thermal system created especially for mineral wool - ISOVER PROFI FASSADE THERM



Characteristics

- Quick and easy installation in all substrates (categories A, B, C, D, E).
- Unique dowel compression area for precise installations.
- Plastic head wrap reduces effects of thermal bridging (0.001 W/K value), contributing to energy saving benefits.
- Minimum anchoring depths (25 mm) \ loads maximum for maximum safety and minimum number of dowels.
- Excellent plate stiffness (value 1.0 kN/mm) ensures a smooth surface and a stable insulation system.
- The increased diameter of the head allows for comfort increased upon installation.
- Pre-assembled nail for quick assembly.

Support layer

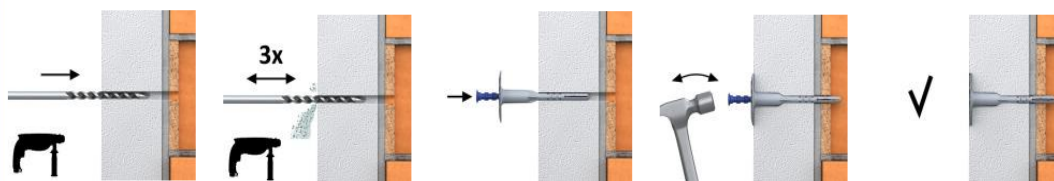
- Concrete C12/15-C50/60 (category A)
- External concrete wall panels C16/20-C50/60 (category A)
- Solid brick (category B)
- Full silico-limestone brick (category B)
- Silico-limestone brick with voids (category C)
- Brick with vertical gaps (category C)
- Lightweight aggregate concrete (category D)
- Aerated concrete (category E)
- Light concrete hollow block

Applications

- Composite Thermal Insulation Systems of Façade "ETICS"
- Mineral wool
- Polystyrene boards (EPS)

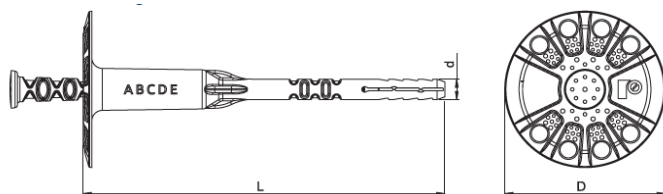
Installation guide

1. Drill a hole of the required diameter and depth.
2. Minimum drilling depth of 35mm for categories A,B,C,D and 75mm for category E.
3. Clean the holes made 3 times.
4. Insert the dowel into the drilled hole. The flange of the dowel must be flush with the insulation material.
5. Minimum anchorage depth of 25mm for categories A,B,C,D and 65mm for category E.
6. Drive the nail into the dowel until it is secure and at the same level with the insulation material.





ISOVER PROFI FASSADE ANCHOR PB



Product information

Size	Product code	Fixing			Item to install	
		Diameter	Length	Plate Diameter	Recommended thickness	
		d	L	D	t _{fix A,B,C,D}	t _{fix E}
		[mm]				
Ø8	ISOVER PROFI FASSADE ANCHOR PB 135	8	60	135	100	60
	ISOVER PROFI FASSADE ANCHOR PB 155	8	60	155	120	80
	ISOVER PROFI FASSADE ANCHOR PB 175	8	60	175	140	100
	ISOVER PROFI FASSADE ANCHOR PB 195	8	60	195	160	120
	ISOVER PROFI FASSADE ANCHOR PB 215	8	60	215	180	140
	ISOVER PROFI FASSADE ANCHOR PB 235	8	60	235	200	160
	ISOVER PROFI FASSADE ANCHOR PB 255	8	60	255	220	180
	ISOVER PROFI FASSADE ANCHOR PB 275	8	60	275	240	200
	ISOVER PROFI FASSADE ANCHOR PB 295	8	60	295	260	220

Installation parameters

Substrate			A,B, C, D	E
Fixing diameter	d	[mm]	8	8
Hole diameter in substrate	d _o	[mm]	8	8
Minimum hole depth in substrate	h _o	[mm]	35	75
Minimum installation depth	h _{nom}	[mm]	25	65
Minimum substrate thickness	h _{min}	[mm]	100	100
Minimum thickness between anchors	S _{min}	[mm]	100	100
Minimum edge distance	C _{min}	[mm]	100	100

Basic performance data

Fixing type		ISOVER PROFI FASSADE ANCHOR PB
Base plate resistance	[kN]	1,53
Base plate stiffness	[kN/mm]	1,0
Thermal bridge	[W/K]	0,001

Saint-Gobain Construction Products România SRL

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ISOVER PROFI FASSADE ANCHOR PB

Basic performance data

Performance data for an individual anchor in tension without influencing edge distance and spacing.

Substrate		Concrete C12/15	Concrete min. C16/20	Solid brick min.20 Mpa	Solid siliceous brick min.30 Mpa	Hollow Silico-limestone brick min.20 Mpa	Hollow brick min. 15 Mpa	Lightweight concrete 4 Mpa	Aerated concrete AAC5
Effective embedment depth h_{ef}	[mm]	25	25	25	25	25	25	25	25
MEAN ULTIMATE LOAD $N_{ru,m}$									
ISOVER PROFI FASSADE ANCHOR PB	[kN]	1,41	1,54	1,54	1,54	1,41	0,64	0,64	1,28
CHARACTERISTIC LOAD N_{rk}									
ISOVER PROFI FASSADE ANCHOR PB	[kN]	1,10	1,20	1,20	1,20	1,10	0,50	0,50	1,00
DESIGN LOAD N_{rd}									
ISOVER PROFI FASSADE ANCHOR PB	[kN]	0,55	0,60	0,60	0,60	0,55	0,25	0,25	0,50
RECOMMENDED LOAD N_{rec}									
ISOVER PROFI FASSADE ANCHOR PB	[kN]	0,39	0,43	0,43	0,43	0,39	0,18	0,18	0,36

Packaging

Size	Product code	Fixing			Quantity
		Diameter	Length	Plate	pcs/box
				Diameter	
		d	L	D	
[mm]					
Ø8	ISOVER PROFI FASSADE ANCHOR PB 135	8	60	135	200
	ISOVER PROFI FASSADE ANCHOR PB 155	8	60	155	200
	ISOVER PROFI FASSADE ANCHOR PB 175	8	60	175	200
	ISOVER PROFI FASSADE ANCHOR PB 195	8	60	195	200
	ISOVER PROFI FASSADE ANCHOR PB 215	8	60	215	100
	ISOVER PROFI FASSADE ANCHOR PB 235	8	60	235	100
	ISOVER PROFI FASSADE ANCHOR PB 255	8	60	255	100
	ISOVER PROFI FASSADE ANCHOR PB 275	8	60	275	100
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