

# BISOL EasyMount HDPE Base 200

Quick and easy mounting solution for flat roofs



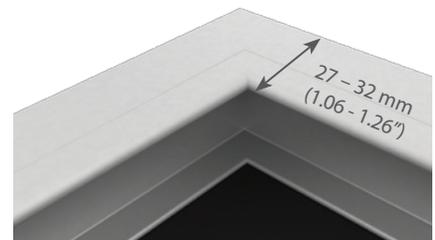
BISOL EasyMount HDPE Base 200 is a premium mounting solution for PV installations on flat roofs or surfaces. It requires no roof penetration and allows for the PV modules to be positioned at a 20° angle. The cutting edge mounting solution has been developed in-house and combines superior design with durability for extreme ease of installation and long-term performance. BISOL EasyMount HDPE Base 200 is made of highest quality recyclable materials and will leave a positive mark on the environment.



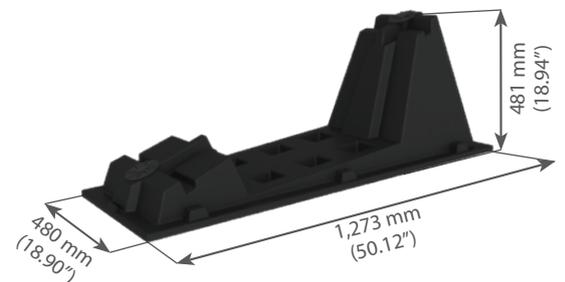
## Technical Specifications

Application	Flat roofs
Roof incline	Up to 5°
Method of installation	No roof penetration
Module angle	20°
Module orientation	Landscape
Module frame tolerances	Length: any / Width: 991 mm ± 5 mm (39.02" ± 0.2") / Thickness: 34 – 41 mm (1.339" – 1.614") / Reverse side width: 27 – 32 mm (1.06" – 1.26")
Base color	Carbon black
Base material	High-density polyethylene (HDPE), carbon black, UV-resistant (base) / Glass fibre reinforced polypropylene (screws)
Base weight	5.5 kg (12.1 lbs)
Additional stabilization	Ballast, windshields
Temperature range	-20 to 70°C
Snow load per system	0 – 2.40 kN/m <sup>2</sup>
Wind load (velocity) <sup>(1)</sup>	0 – 115 km/h (71 mph)

Allowed frame width on the reverse side of the module



Dimensions of HDPE Base 200:



<sup>(1)</sup> With the use of ballast and windshields according to the specifications.



8x faster installation



Lightweight and stackable



No tools required



15-year UV and mechanical resistance guarantee



Efficient cooling

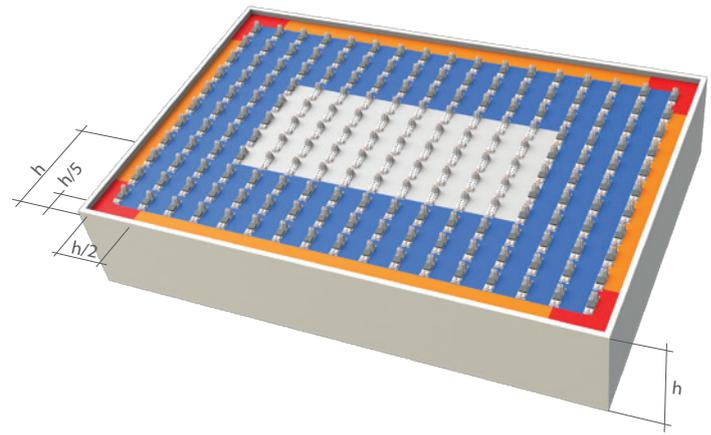


Low installation cost

## Additional stabilization requirements for different wind velocities

Basic wind velocity: 20 m/s (45 mph)

building height	Ballast				Ballast & wind shields			
	F	G	H	I	F	G	H	I
h ≤ 7 m	60	27	27	27	60	27	27	14
h ≤ 8 m	60	40	27	27	60	40	27	14
h ≤ 9 m	(x)	40	40	27	(x)	40	27	14
h ≤ 10 m	(x)	40	40	27	(x)	40	27	27
h ≤ 12 m	(x)	60	40	27	(x)	60	27	27



Basic wind velocity: 25 m/s (56 mph)

building height	Ballast				Ballast & wind shields			
	F	G	H	I	F	G	H	I
h ≤ 8 m	(x)	60	60	30	(x)	60	30	30
h ≤ 9 m	(x)	(x)	60	30	(x)	(x)	60	30
h ≤ 12 m	(x)	(x)	60	60	(x)	(x)	60	60

Wind loads calculated in accordance with Eurocode 1 (EN 1991-1-4). Information for additional wind zones available upon request.

(x) The use of HDPE Bases 200 is not recommended.

## System Components



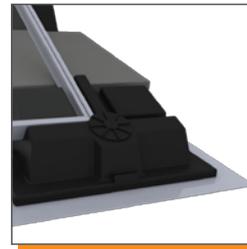
The PV module is placed between two HDPE Bases 200 into specially prepared grooves.



Extra ballast can be placed at the bottom of the HDPE Base 200.



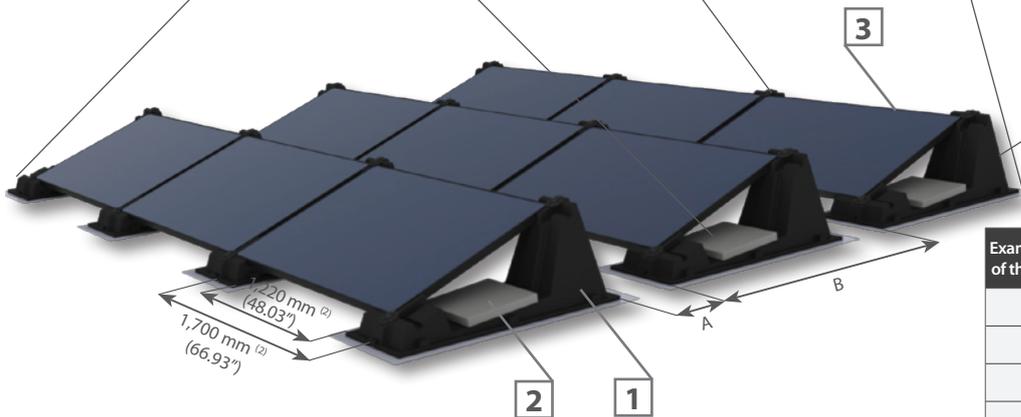
The polypropylene screws are inserted into the threaded holes and fixed to lock the PV modules in place.



For roof membrane protection rubber protective mats can be used.



The metal windshields can be attached on the rear side of the HDPE Base 200 by using self-drilling screws to improve the stability of the structure in high wind zones.



Layout guidelines depending on incident angle of the sun in the winter

Example incident angle of the sun in the winter	A	B
17°	767 mm (30.20")	2,040 mm (80.31")
18°	701 mm (27.60")	1,974 mm (77.72")
19°	643 mm (25.31")	1,916 mm (75.43")
20°	589 mm (23.19")	1,862 mm (73.31")

Component	ID Code	Component description
1	SEKP-EMPB200_BK	EasyMount HDPE 200 Base Basic Kit
2	SEK-LOAD_CP15	Load concrete plate 40/40/4 cm (15 kg)

Component	ID Code	Component description
3	SEK-EMPB_200_TWS	Trapezoidal wind shield HDPE Base 200 (anthracite / black)
4	SEK-JA3_65_25	Screw self-tapping 6.5 x 25 mm JA3

(2) Dimensions specific for BISOL PV modules.

For compatibility of BISOL EasyMount mounting solutions with specific roof design or roofing materials please consult your roofing materials supplier or project designer.