

Building Integrated Photovoltaic System

ABM BIPV SYSTEM

BIPV

ART GREEN PANEL

PANEL

Special Roofing Panel



SINCE 1992

abm 



Company overview

Company	ABM Co., Ltd.
Establish	1992.06.09
Workplace	Busan, Seoul, Daegu, Honam, Daejeon, (Factory) Miryang
Employee	125 people (including 10 researchers)
Capital	2.2 Billion
Revenue	KRW 109 Billion (in 2024)

Business

Panel	Art Green Panel (PR/WR/Z) Remodeling PANEL Arch Panel (RAS/SAF)
Renewable energy	PV / BAPV / BIPV System Solar-powered lighting
Lighting System Stage	Auto Lift Lighting System Stage equipment
Solar Power Plants	Operating 5 power plants (capacity : 2.54 MW)

Corporate credit rating

Credit rating	Cash flow	Verification agency	Credit rating	Verification agency
A	A	Ecredible (2024)	AAA	KSCFC (2024)

Corporate ESG evaluation rating

ESG	Environment	Social	Governance
ESG-3	E3	S4	G2

「 Korea's No. 1 Roofing Construction Company 」

ABM Co., Ltd., as the nation's No. 1 company in roofing and solar energy construction, is developing new construction materials that are being used to create safe and durable buildings.

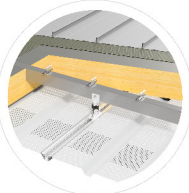
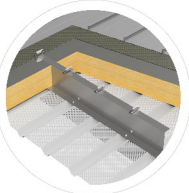
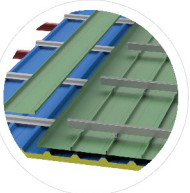
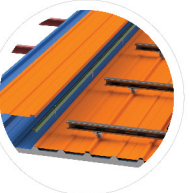


Major Certifications and Awards

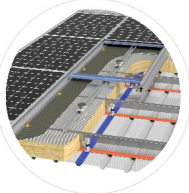
New Excellent Techonology	Excellent Product	Excellent Performance	Patent Registration	Iron Tower Industry Award	Presidential Award	Prime Minister's Award	Technology Innovation
							
4Cases	6Cases	6Cases	108Cases	Order of Merit	Commendation	Commendation	SME

Main Business Areas

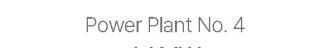
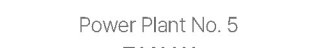
• Panel System

New Building Roof			Roof Remodeling		
					
PR Panel	WR Panel	Z Panel	Art Green Method	SolarRemo Method	General Method

• Photovoltaic System

BIPV (Building-Integrated Photovoltaics)		BAPV (Building-Applied Photovoltaics)		
				
Upgrade New Technology	Existing New Technology	Roof-Integrated	Tilted Mounting	Rooftop-Mounted

• Solar Power Plant Self-Construction and Operation

Solar Power Generation Capacity : 2.5MW (2,540kW Class)				
				
Power Plant No. 2 30kW	Power Plant No. 2 504kW	Power Plant No. 3 90kW	Power Plant No. 4 1.2MW	Power Plant No. 5 716kW

ART GREEN PR PANEL

Special roofing material

The PR PANEL is an innovative construction material that can be used to complete safe and durable buildings, offering upgraded thermal insulation and fire resistance performance.



Excellent Procurement Item No. 2021016



Performance Certification No. 24-CDN0010

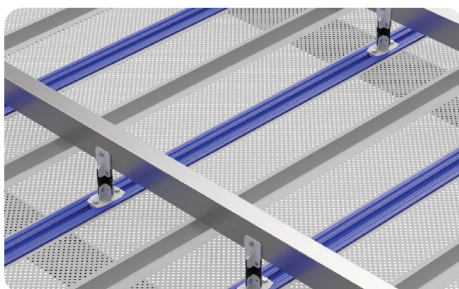


Patent No. 10-2144875

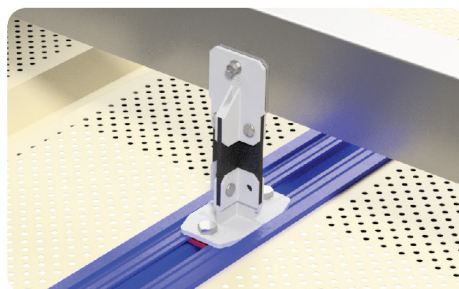


Features

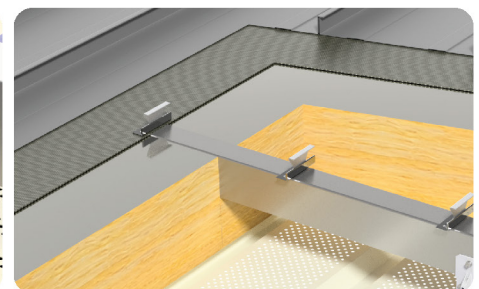
- 1 Improved thermal insulation performance through the application of heat bridge blocking posts and rail bars
- 2 Provides excellent waterproof performance that has passed water ingress and immersion tests
- 3 Satisfactory fire resistance performance for 30 minutes, excellent wind pressure resistance, excellent seismic performance
- 4 Performance-certified product by the Small and Medium Business Administration
- 5 Registered product for excellent procurement items



Structural reinforcement rail



Thermal break post



Waterproof packing and sliding clip

Ulsan Exhibition & Convention Center

울산전시컨벤션센터

System ART GREEN WR PANEL

Dimensions 3,248m²



National Aviation Museum of Korea

국립항공박물관

System ART GREEN WR PANEL

Dimensions 3,834m²

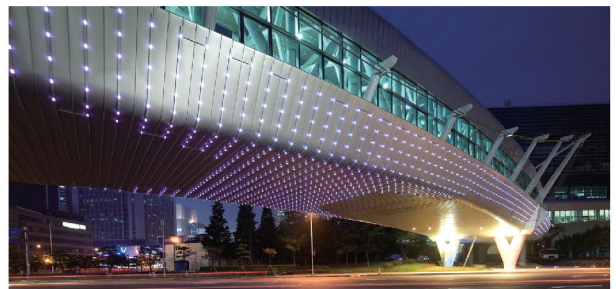


BEXCO

벅스코 제2전시장 공중보행로

System ART GREEN WR PANEL

Dimensions 1,780m²



DWL GLOBAL

디더블유엘글로벌

System ART GREEN PR PANEL

Dimensions 36,875m²

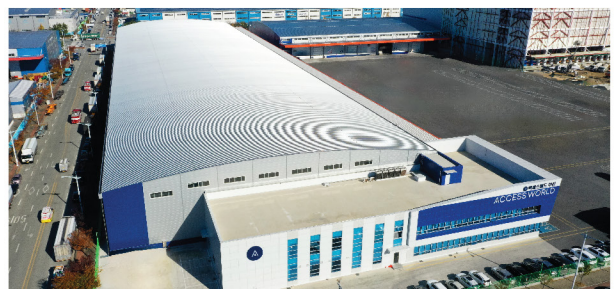


ACCESS WORLD

액세스월드

System ART GREEN PR PANEL

Dimensions 22,346m²



SEUN STEEL

세운철강

System ART GREEN PR PANEL

Dimensions 18,538m²



BIPV SYSTEM

Building Integrated Photovoltaic System

This product is an upgraded version of Building-Integrated Photovoltaic (BIPV) construction technology (No. 832), owned by ABM Co., Ltd., maximizing thermal insulation and fire resistance performance.



Construction Innovation Designation No. 832



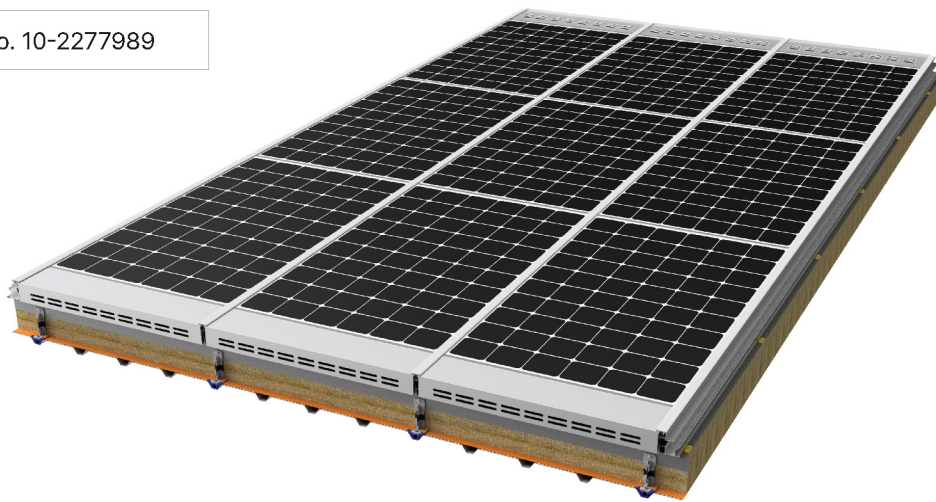
Excellent Procurement Item No. 2023085



Performance Certification No. 23-GDN0227

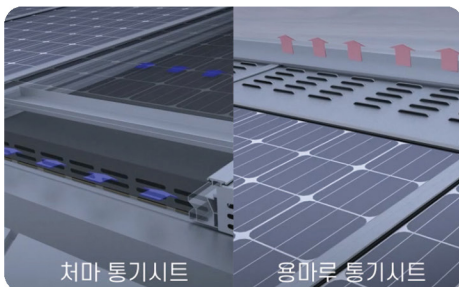


Patent No. 10-2277989



Features

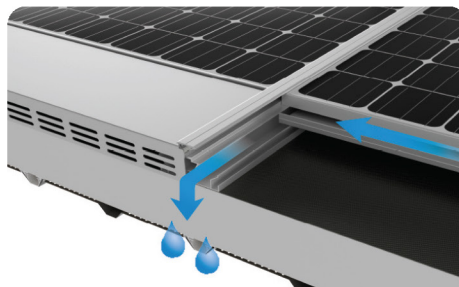
- 1 Construction period reduced by 50% through integrated construction method (roofing function + solar power generation function)
- 2 5 times higher load capacity, wind pressure resistance of over 100m/s
- 3 provides perfect waterproofing function through the application of a dual waterproofing structure
- 4 Obtained recognition for fire-resistant structure from the Construction Technology Research Institute (fire resistance for 30 minutes)
- 5 30% improvement in thermal insulation performance (through heat bridge blocking - maximizing thermal resistance)



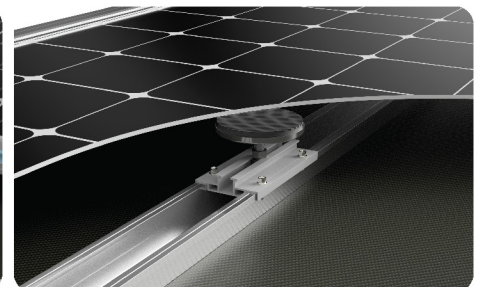
처마 통기시트

용마루 통기시트

Module ventilation path



Rainwater drainage treatment



Module deflection reinforcement

Antarctic King Sejong Station

남극세종과학기지

System BIPV Roof type
Capacity 59kW



BMT

(주)비엠티

System BIPV Roof type
Dimensions 1.7MW



Korea Hydro & Nuclear Power

한국수력원자력(주)

System BIPV Roof type
Dimensions 1.3MW



Samyang Foods

삼양식품(주)

System BIPV Wall type
Dimensions 443.52kW



Jeju International Passenger Terminal

제주항 국제여객터미널

System BIPV Roof type
Dimensions 68.31kW



KWANGJIN

(주)광진상공

System BIPV Roof type
Dimensions 1.8MW





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