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 145 Billion (in 2025)

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 (2026)	AAA	KSCFC (2026)

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.

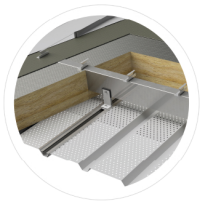
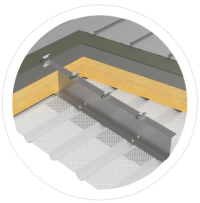
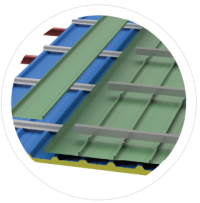
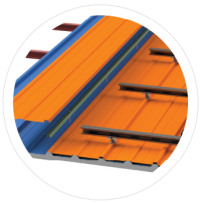
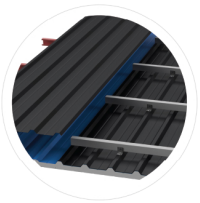


Major Certifications and Awards

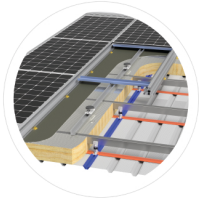
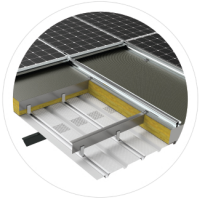
New Excellent Techonology	Excellent Product	Excellent Performance	Patent Registration	Iron Tower Industry Award	Presidential Award	Prime Minister's Award	Technology Innovation
4Cases	6Cases	6Cases	108Cases	Order of Merit	Commendation	Commendation	SME

Main Business Areas

· Panel System

New Building Roof			Roof Remodeling		
					
PR Panel	WR Panel	Z Panel	Art Green Mathod	SolarRemo Mathod	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

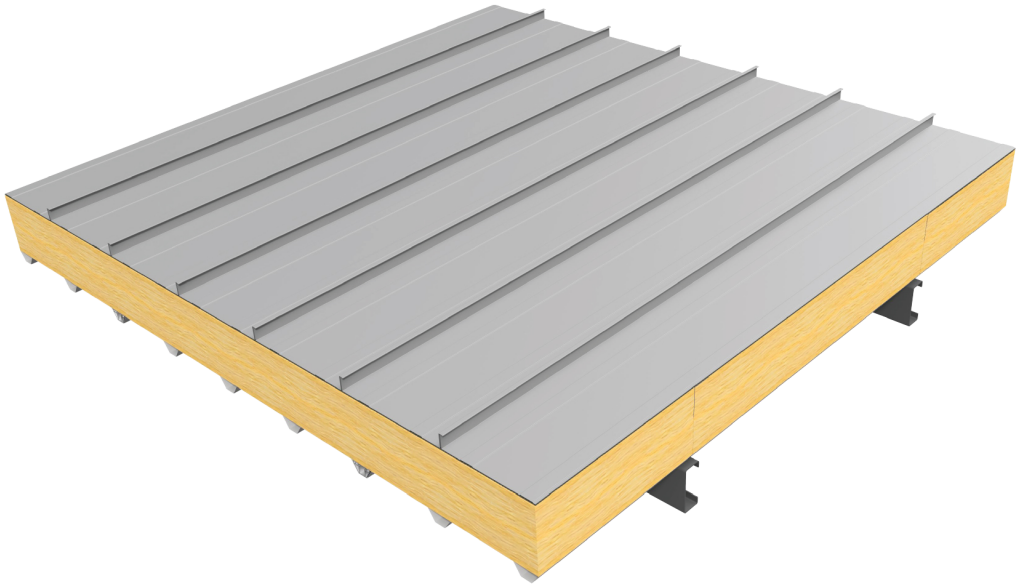
ART GREEN PR PANEL

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.

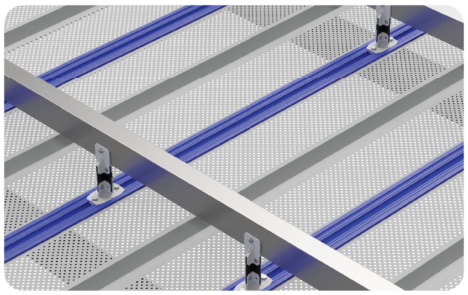
Performance Certification No. 24-CDN0010

Patent No. 10-2144875

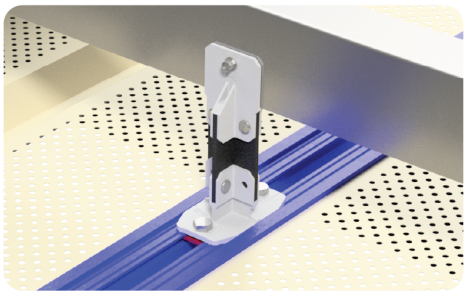


Features

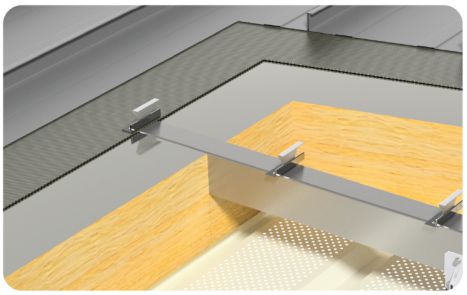
1. Improved thermal insulation performance through the application of heat bridge blocking posts and rail bars
2. Provides excellent waterproof performance that has passed water ingress and immersion tests
3. Satisfactory fire resistance performance for 30 minutes, excellent wind pressure resistance, excellent seismic performance
4. Performance-certified product by the Small and Medium Business Adminstration
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 3,248㎡



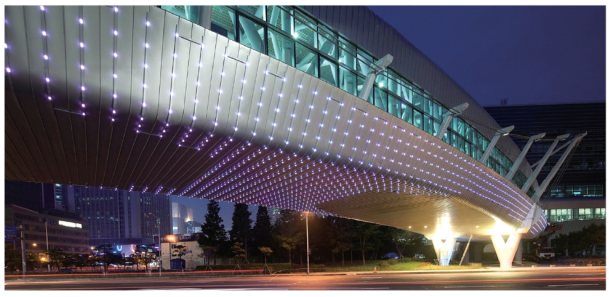
National Aviation Museum of Korea
국립항공박물관

System ART GREEN WR PANEL
Dimensions 3,834㎡



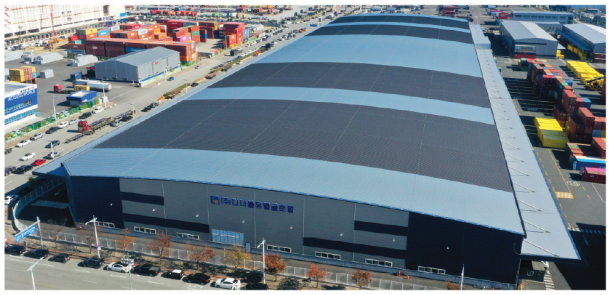
BEXCO
벡스코 제2전시장 공중보행로

System ART GREEN WR PANEL
Dimensions 1,780㎡



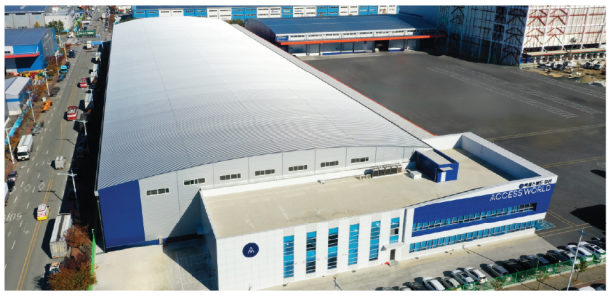
DWL GLOBAL
디더블유엘글로벌

System ART GREEN PR PANEL
Dimensions 36,875㎡



ACCESS WORLD
액세스월드

System ART GREEN PR PANEL
Dimensions 22,346㎡



SEUN STEEL
세운철강

System ART GREEN PR PANEL
Dimensions 18,538㎡



BIPV SYSTEM

Building Integrated Photovoltaic System

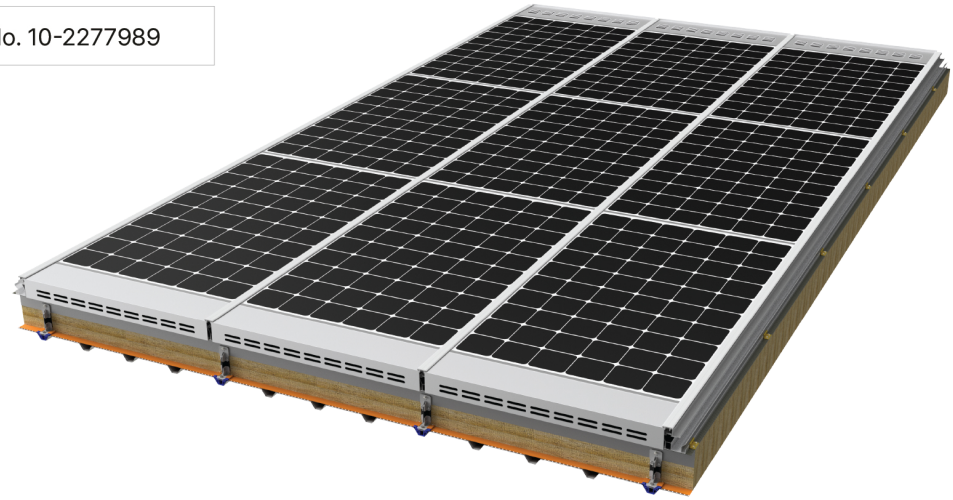
This product is an upgraded version of Building-Integrated Photovoltaic (BIPV) construction technology (No. 832), owned by ABM Co., Ltd., maximizing thermal insulation and fire resistance performance.

Construction Innovation Designation No. 832

Excellent Procurement Item No. 2023085

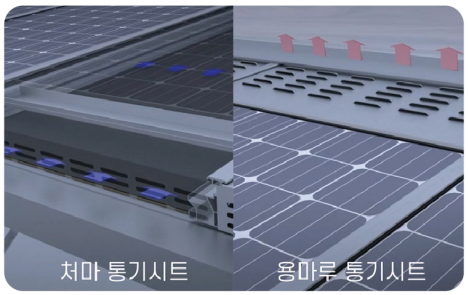
Performance Certification No. 23-GDN0227

Patent No. 10-2277989

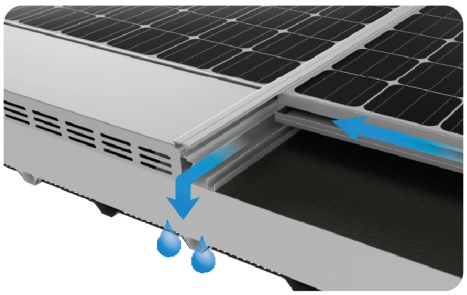


Features

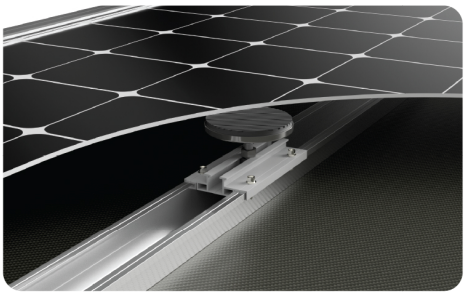
1. **Construction period reduced by 50% through integrated construction method (roofing function + solar power generation function)**
2. 5 times higher load capacity, wind pressure resistance of over 100m/s
3. provides perfect waterproofing function through the application of a dual waterproofing structure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



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 2.43MW



Korea Hydro & Nuclear Power
한국수력원자력(주)

System BIPV Roof type
Dimensions 1.3MW



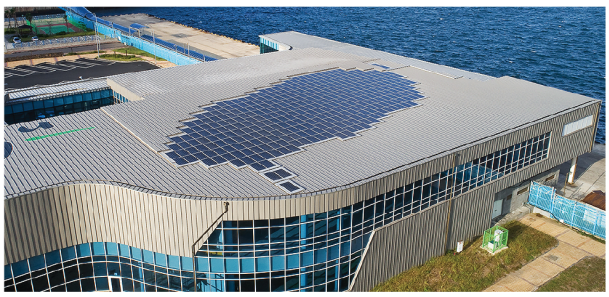
Samyang Foods
삼양식품(주)

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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