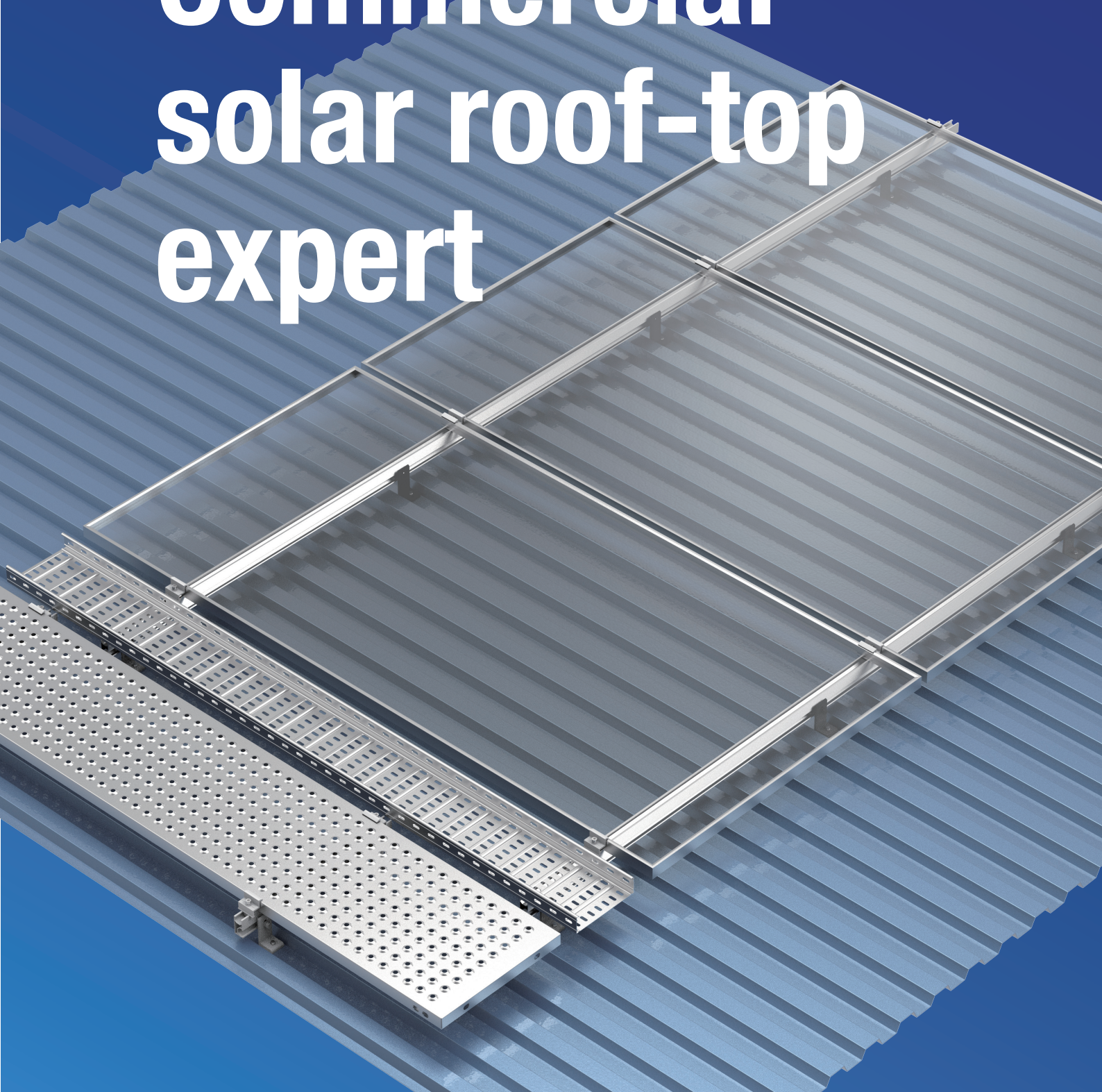




Commercial solar roof-top expert



About ECTRAY

ECTRAY, a 30-year cable tray & walkway factory located in Foshan, China, serves solar EPCs all around the world.

Our facility is equipped with advanced production machinery—including CNC punching machines, 8 self-developed automated production lines, laser cutters, Panasonic automatic welding lines, and more—enabling 90% full automation while providing customized production services for diverse application environments.

Supported by these robust manufacturing resources, our products fully comply with ISO standards. Moreover, our technical team conducts load calculations for different climate conditions and provides corresponding installation system recommendations for each project to ensure structural safety.

We are committed to continuously developing new products, delivering reliable engineering services and certified quality, offering all our customers safer and more cost-competitive solar rooftop solutions.

Let us be part of your frontline and win the market together.

113,021 Square Meter

R&D and manufacturing base



100+ countries

Exporting countries

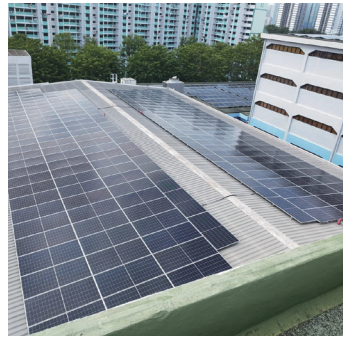


Quality Certification

- Made of ZM material.
- Highest pre-assembly before shipment is cost and time saving for EPCs.
- Mill is ISO certified and products passed SGS pull test.
- 25 years design life time and 30 years warranty.
- Experienced engineering team support.



Project Reference



SOZAMC[®]

THE MOST DURABLE ANTI-CORROSION COATING

Zinc
(Zn)

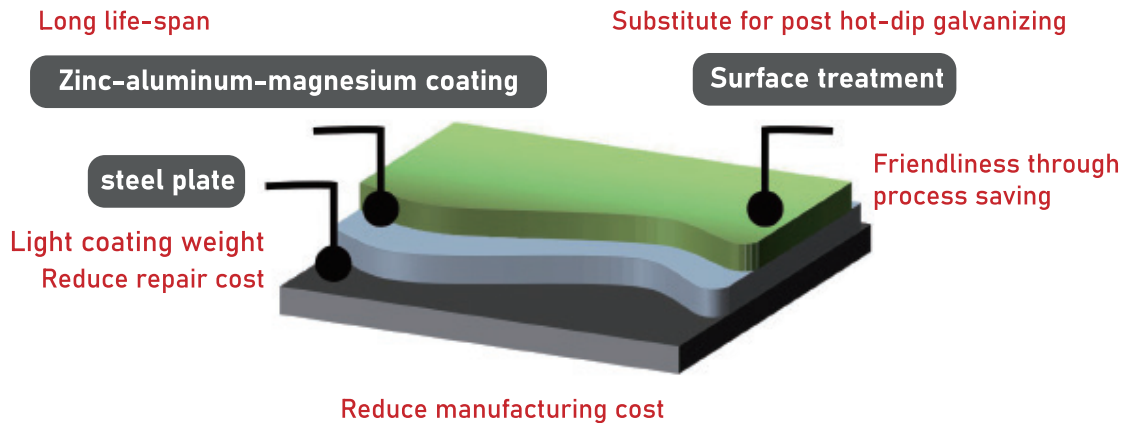
Aluminum
(Al)

Magnesium
(Mg)

Product features

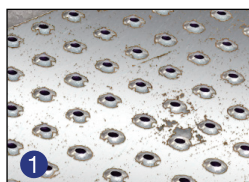
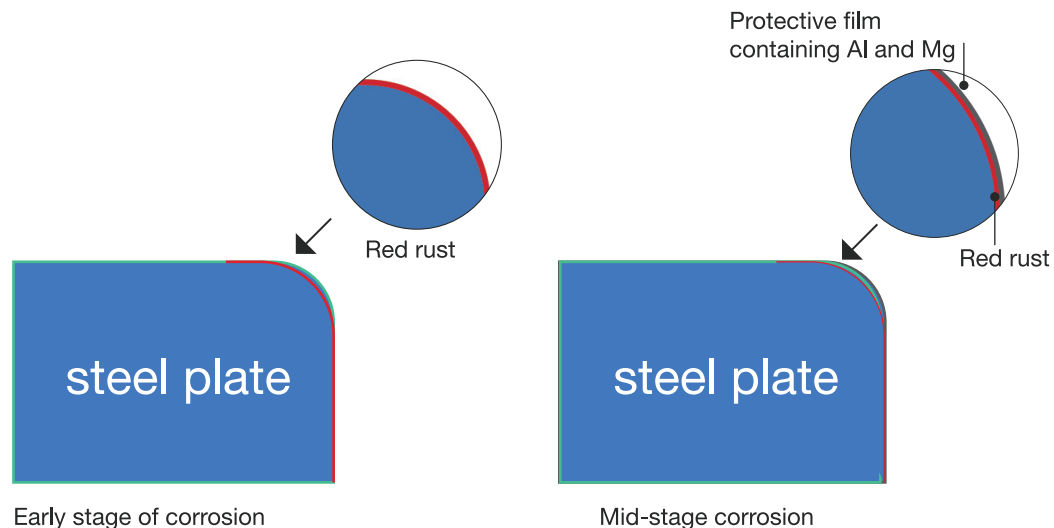
In terms of corrosion resistance, Zn-Al-Mg alloy hot-rolled steel sheets is 3 times better than hot-dip zinc-coated steel sheets with the same coating weight, and the excellent corrosion resistance is achieved on cut edge. It can be used as a substitute for post hot-dip galvanizing in some ways.

ZM alloys have advantages over hot-dip galvanizing.

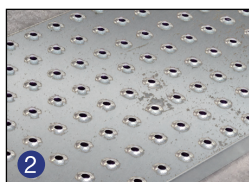


Compared with pure Hot Dip Galvanization, a protective film with strong adhesion is formed on the coating surface over time due to the action of Al and Mg contained in Zn-Al-Mg coating. The protective film with strong corrosion resistance can inhibit the corrosion of the coating, so as to give play to excellent corrosion resistance.

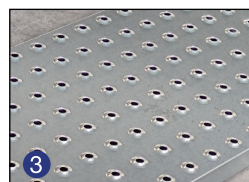
Corrosion resistance of ZM alloy cut surfaces



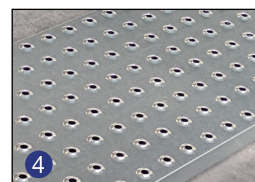
1
Oxidation and the appearance of red rust



2
The coating gradually blocks erosion



3
As the protective layer gradually increases, the red rust gradually disappears.

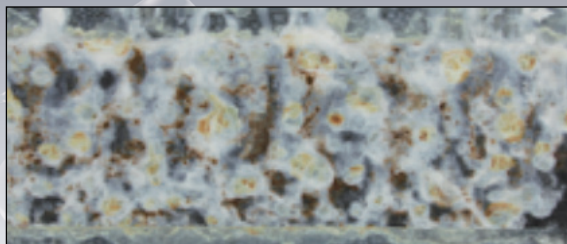


4
ZM demonstrates superior durability.

The exposed cut edge of substrate is oxidized due to rain, condensation, etc. Excellent corrosion resistance is achieved on cut edge parts by covering the ends with a fine zinc-based protective film that contains Al and Mg leaching from the coating layer.

Neutral Salt Spray Test

Planar corrosion resistance (SST)



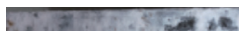
(HDG)
800 hours



(ZAM) SOZAMC®
5040 hours

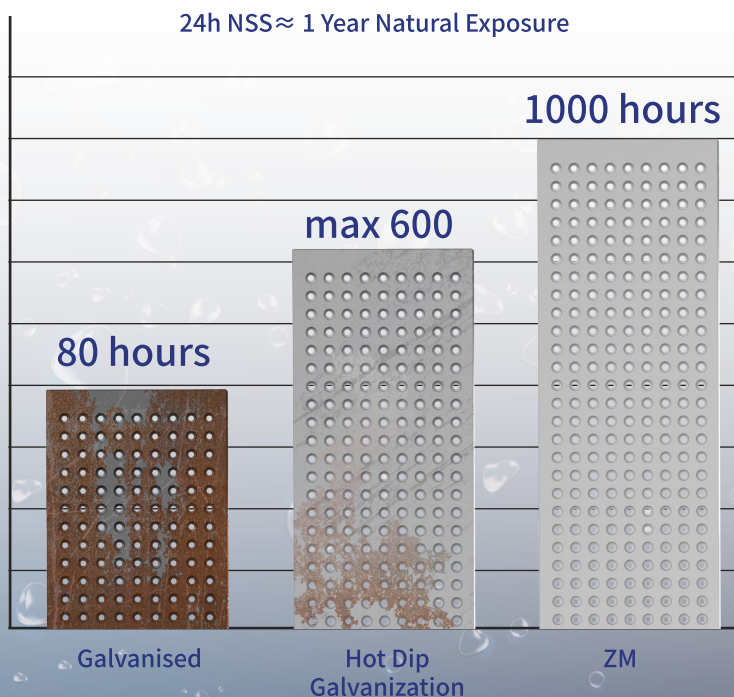
In neutral salt spray test, SOZAMC® is a corrosion resistant products that is 6 times stronger resistance than that of a normal hot-dip galvanized steel sheet.

Corrosion resistance on cut section (SST)

Types of coatings	Coating weight (g/m ²)	Time for red rust to appear (h)	Corrosion morphology
(HDG)	600/600	133	
(ZM)	140/140	1152	

In neutral salt spray test, the corrosion resistant of SOZAMC® on cut section is 20 times stronger resistance than that of a normal hot-dip galvanized steel sheet

Comparison of Outdoor Lifespan of Different Materials



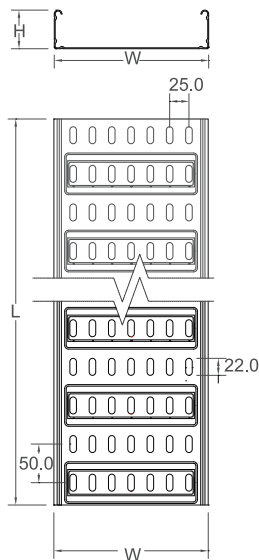
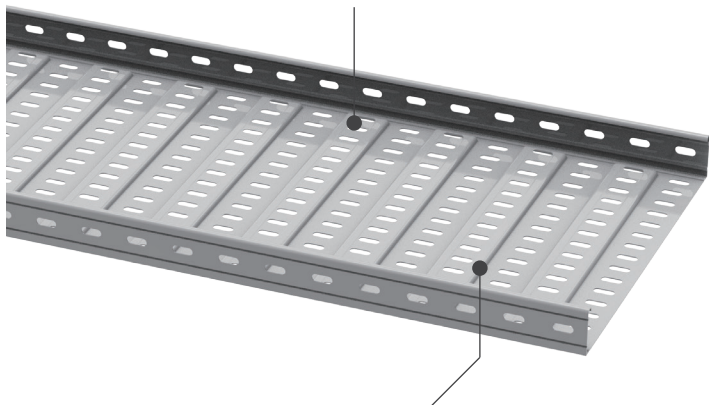
Whether you are working on industrial, commercial, or infrastructure projects, ZM provides maximum protection and security.

EC SOLAR cable tray



*ZM material, 30 years quality guarantee

Multiple perforations for ventilation and conductor fixing



The concave-convex structure increases the heat dissipation area, reducing energy consumption by 70% to 80%.

SURFACE TREATMENT

Zinc Aluminum Magnesium (ZM)

Galvanized (GI)

Stainless steel 304/316 (SS)

Powder coating

PRODUCT DESCRIPTION

Length/mm:2000/2500/3000



Ordering Code	WxH/mm	Ordering Code	WxH/mm
EC100-50	100x50	EC400-50	400x50
EC150-50	150x50	EC500-50	500x50
EC200-50	200x50	EC600-50	600x50
EC300-50	300x50		
EC100-100	100x100	EC400-100	400x100
EC150-100	150x100	EC500-100	500x100
EC200-100	200x100	EC600-100	600x100
EC300-100	300x100		

*Custom Made: This product does not support customization.



Corrosion resistance



Large Load Capacity



-40°C / 150°C



Security

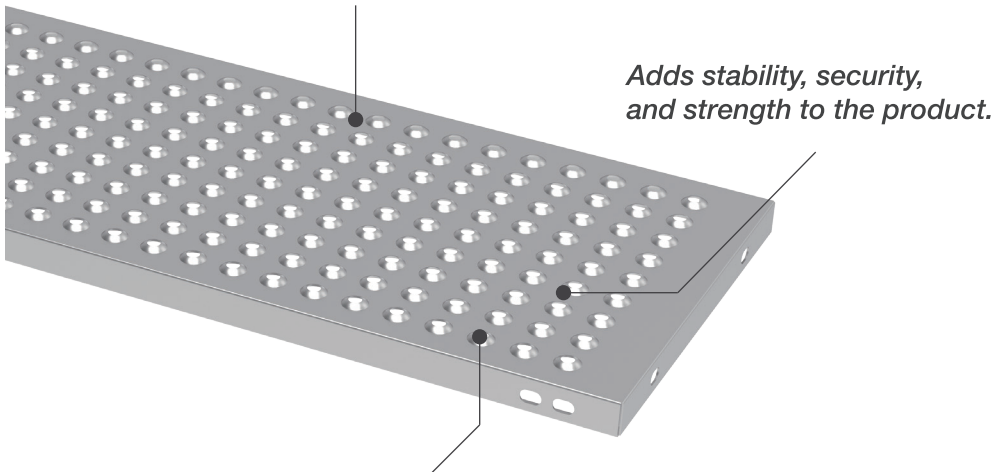
Please contact us for special dimensions.

EC-LDW

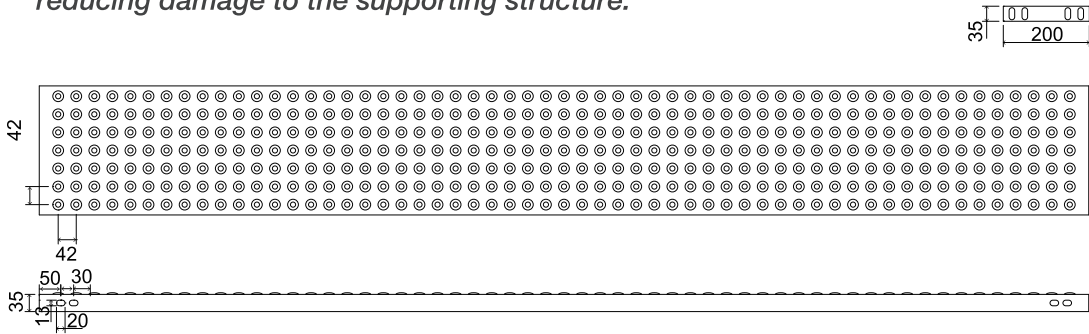
Light Duty Walkway



Solar walkways are designed to assist with routine maintenance and protect floors when walked on.



Prevents components from being stepped on or collided, reducing damage to the supporting structure.



SURFACE TREATMENT

Zinc Aluminum Magnesium (ZM)

PRODUCT DESCRIPTION

Length/mm:2440/3000



Ordering Code	WxH/mm	Ordering Code	WxH/mm
LDW-350-35	350x35	LDW-400-35	400x35

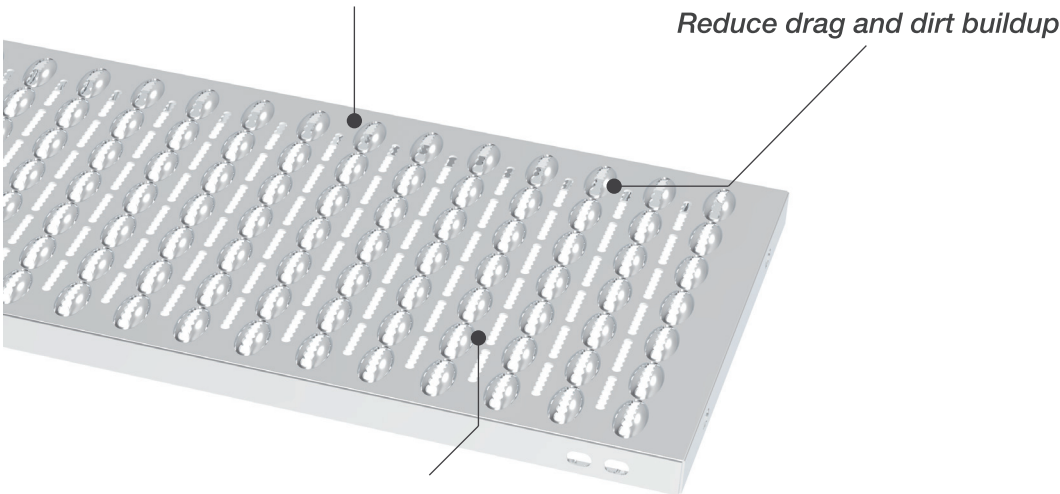
Corrosion resistance	Large Load Capacity	-40°C / 150°C	Security

EC-ASW



Antislip Walkway

Structural reinforcement, balancing lightweight and load-bearing capacity



Easy to install, reducing construction and maintenance costs.

SURFACE TREATMENT

Zinc Aluminum Magnesium (ZM)

Aluminum

PRODUCT DESCRIPTION



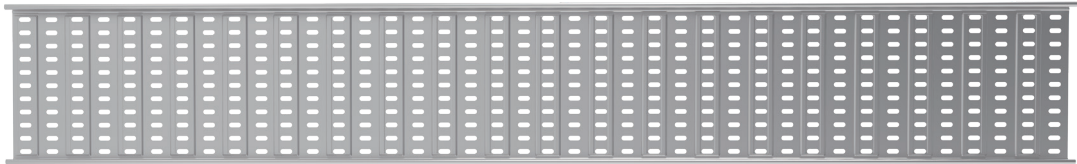
Length/mm:2440/3000

Ordering Code	WxH/mm	Ordering Code	WxH/mm
ASW-350-35	350x35	ASW-400-35	400x35
			
Corrosion resistance	Large Load Capacity	-40°C / 150°C	Security

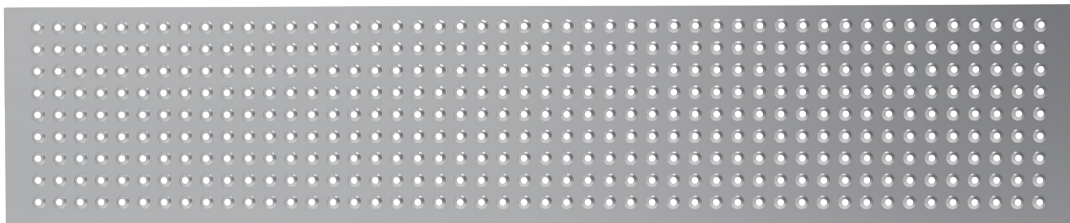
Rooftop Solar Mounting Systems

Solar mounting system are the core basic components for building solar power generation systems.

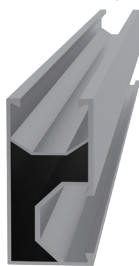
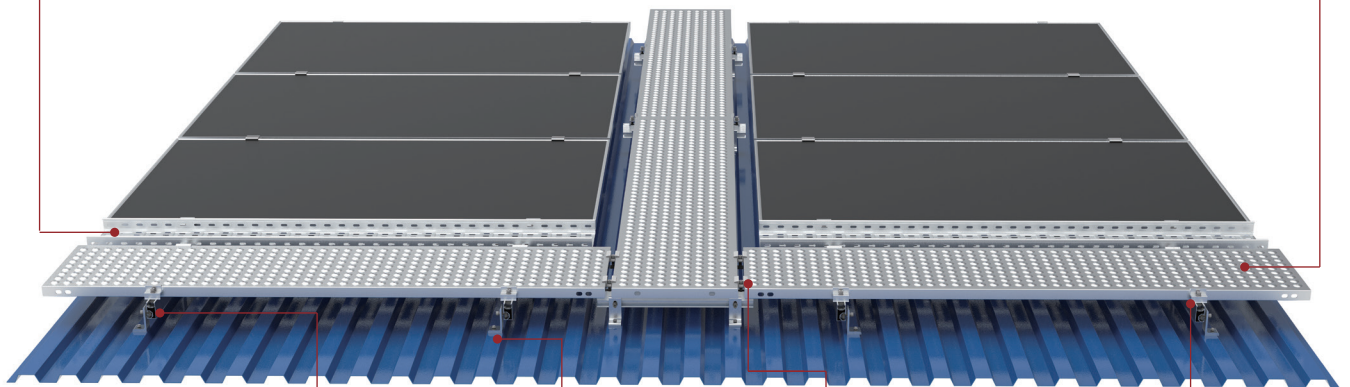
Cable Tray



Walkway System



Optional Accessories



Aluminum rail



L-foot



Mid Clamp



End Clamp



Focused on the Solar Industry, Providing One-step Solution Service.

For more product information, please contact us.

