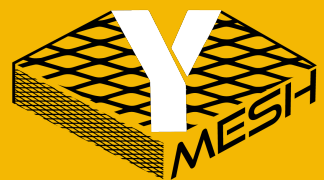


Y MESH & METAL PRODUCTS PVT. LTD.

Manufacturing and Sales of Expanded Metal Mesh
and Perforated Sheets

Specializing in :

- Architectural Applications
- Interior Design Applications
- Staircase And Walkways
- Environmental & Engineering Applications
- Peripheral Fencing And Safety Fencings
- Industrial Products



Trade Associates and Service Partners:

OKAYI, Singapore

Screws & Tools, India

Y Mesh & Metal Products Pvt. Ltd
Pune, India

Group Associates and Partners:

Youngman India Pvt Ltd, India

Youngman Manufacturing India Pvt Ltd, India

Safety First, India



Y MESH

CONTENTS

- **About Y Mesh**
- **About Expanded Metal Sheets**
- **Expanded Metal Applications**
- **Expanded Metal Specifications**
- **Security & Anti – Climb Fencing**
- **About Perforated Sheets**
- **Perforated Sheet Applications**
- **Perforated Sheet Specifications**



ABOUT Y MESH

Y Mesh is a manufacturer of high quality expanded metal sheets and perforated metal sheets established in the year 2023 in a technical collaboration with OKAYI, Singapore, with over three decades of experience in the field of manufacturing, fabrication and servicing a myriad of sheet metal requirements. Y Mesh not only brings in quality, innovation and technical expertise of global standards but also boasts of the largest width of sheets ever manufactured in the Indian market.

The machinery and equipment are sourced from the best in the world markets, backed up by top quality raw material and confirming to high quality processes resulting in a top-class end product or applications in various infrastructure, engineering, security & industrial applications.

Our mission is to manufacture and provide our clients with best quality products, backed up with timely service and at a reasonable price.

We also provide technical assistance and advice and provide fabrication and installation services on demand.



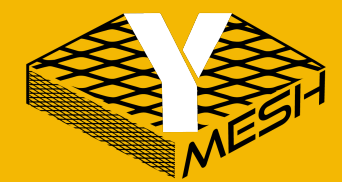
OUR PRINCIPLE ACTIVITIES ARE

- Manufacturing Expanded Metal Sheets
- Manufacturing Perforated Sheets
- Manufacturing Barbed Clips for Security Fencing
- Steel fabrication & Engineering
- Global sales and marketing of top - quality sheet metal products in Mild Steel, Stainless Steel, Aluminum, Brass etc.
- We also provide finishing solutions like HD Galvanizing, Powder Coating, PVDF Coating & Anodizing.



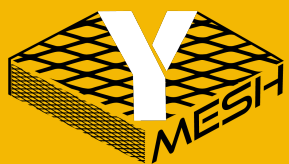
Our team closely coordinates with Architects, Consultants & Fabricators across the country, providing technical support and an in-house design service and we also have expertise in managing and serving on site contracts and fabrication of modules.

EXPANDED MESH APPLICATIONS



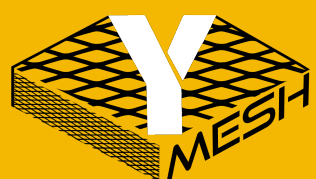
Expanded Metal Specifications

Ref No	Material	Size In mm	Size In mm	Strand Width In mm	Sheet Thickness In mm	Weight In Kg/m2	Sheet Size in mm
		SWM	LWM	SW	T		SWM X LWM
LM 0515 GI	Steel	10	21	1.5	0.5	1.24	2440 X 1220
LM 0715 GI	Steel	10	21	1.5	0.7	1.75	2440 X 1220
LM 1015	Steel	9	29	1.5	1.0	2.69	2440 X 1220
LM 1515	Steel	9	29	1.5	1.5	4.03	2440 X 1220
LM 2015	Steel	9	29	1.5	2.0	5.37	2440 X 1220
SM 1020	Steel	16	38	2.0	1.0	2.02	2440 X 1220
SM 1520	Steel	16	38	2.0	1.5	3.02	2440 X 1220
SM 1528	Steel	22	57	2.8	1.5	3.02	2440 X 1220
SM 2028	Steel	22	57	2.8	2.0	4.03	2440 X 1220
SM 3035	Steel	22	57	3.5	3.0	7.73	2440 X 1220
SM 30045	Steel	22	57	4.5	3.0	9.74	2440 X 1220
SM 2030	Steel	35	76	3.0	2.0	3.02	2440 X 1220
SM 30030	Steel	35	76	3.0	3.0	4.03	2440 X 1220
SM 3045	Steel	35	76	4.5	3.0	6.05	2440 X 1220
SM 45060	Steel	35	76	6.0	4.5	12.43	2440 X 1220
SM 3545	Steel	42	115	4.5	3.0	5.37	2440 X 1220
SM 3060	Steel	42	115	6.0	3.0	7.05	2440 X 1220
SM 4560	Steel	42	115	6.0	4.5	10.41	2440 X 1220
DM 3032	Steel	25	40/81	3.2	3.0	6.05	2440 X 1220
WM	Steel	45	135	8.0	5.0	14.11	2440 X 1220
WM	Steel	45	135	11.0	5.0	19.48	2440 X 1220
WM	Steel	30	75	8.0	3.0	12.77	2440 X 1220
WM	Steel	30	75	7.5	5.0	23.85	2440 X 1220
WM	Steel	30	75	10.5	5.0	27.55	2440 X 1220
SM	Steel	76	200	4.5	4.5	4.37	2440 X 1220
LOM	Steel	16	76	6.3	1.5	9.41	2440 X 1220



Specifications Japan Standard

Ref No	Material	Size In mm	Size In mm	Strand Width In mm	Sheet Thickness In mm	Weight In Kg/m2	Sheet Size in mm
		SWM	LWM	SW	T		SWM X LWM
XG 11	Steel	34	135.4	7.0	4.5	14.5	2440 X 1220
XG 12	Steel	34	135.4	7.0	6.0	19.4	2440 X 1220
XG 13	Steel	34	135.4	9.0	6.0	24.9	2440 X 1220
XG 14	Steel	34	135.4	9.0	8.0	33.2	2440 X 1220
XG 21	Steel	36	101.6	7.0	4.5	13.7	2440 X 1220
XG 22	Steel	36	101.6	7.0	6.0	18.3	2440 X 1220
XG 23	Steel	36	101.6	9.0	6.0	23.6	2440 X 1220
XG 24	Steel	36	101.6	9.0	8.0	31.4	2440 X 1220

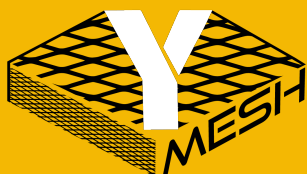


Notes:

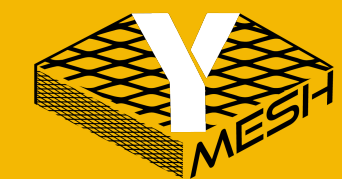
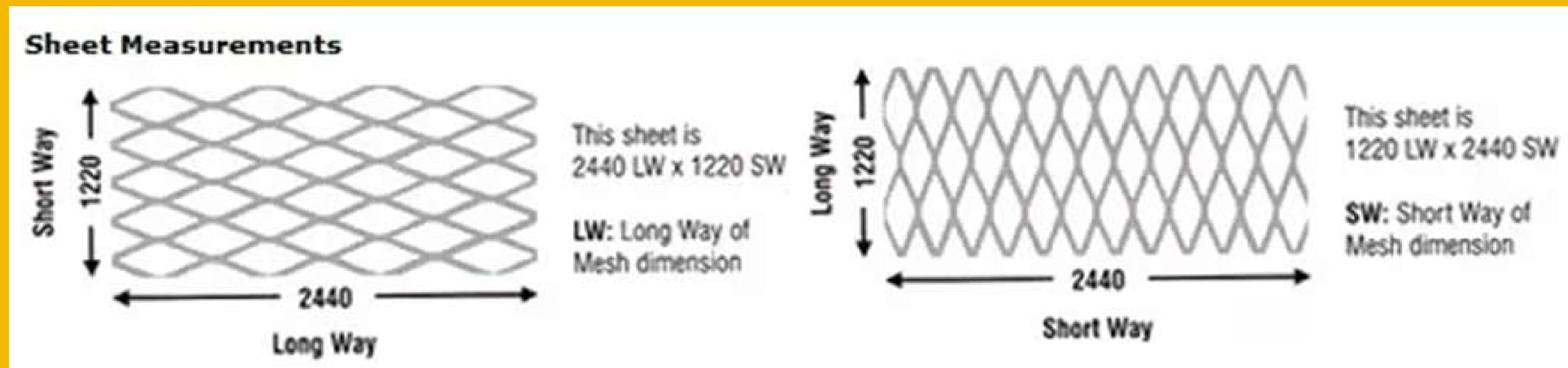
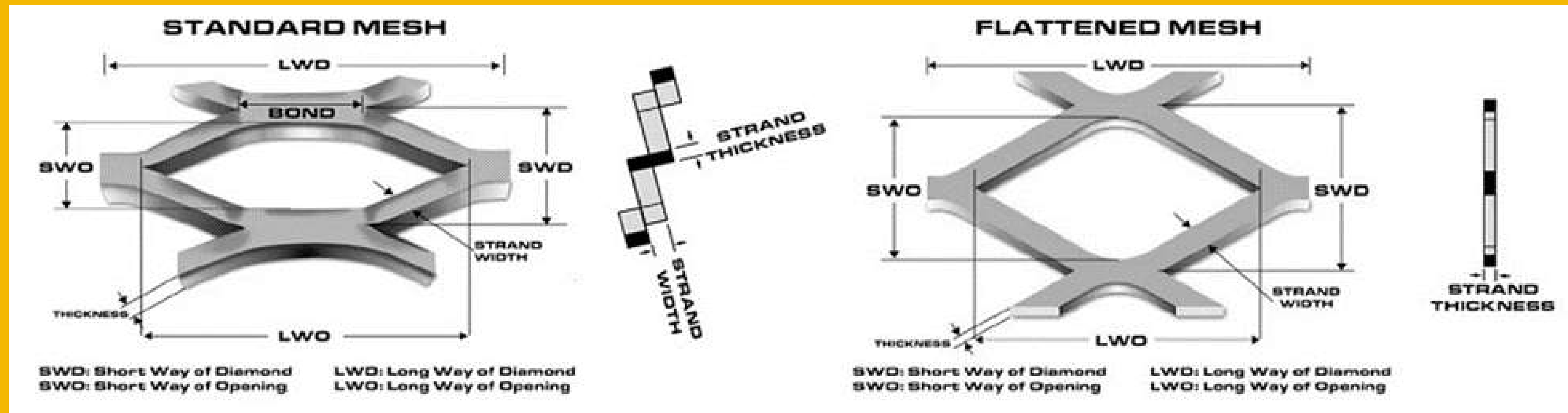
- Thickness upto 8.0 mm to a maximum width of 1525 mm LWM direction.
- Thickness upto 3.0 mm to a maximum width of 3100 mm LWM direction.
- Weight tolerance in Kg/m² upto +/- 10%
- Nominal sheet size short way direction, subject to a variation of +/- 50%
- Nominal sheet size long way direction, subject to a variation of +/- 10%
- Thickness variance subject to specifications.
- Available in MS, SS, Aluminium, Brass, Titanium lead times depend on raw material availability.
- Special cut to size sheets available on request.
- Sheet finish in HD Galvanize, Powder Coat, PVDF & Anodized.

Assumptions:

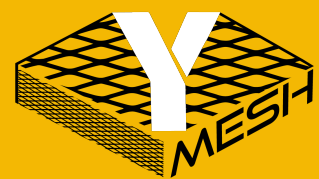
The selection guide assumes mesh spanning in the direction of long way mesh LWM having a minimum of every fourth strand welded on support and a minimum of 25mm end bearing.

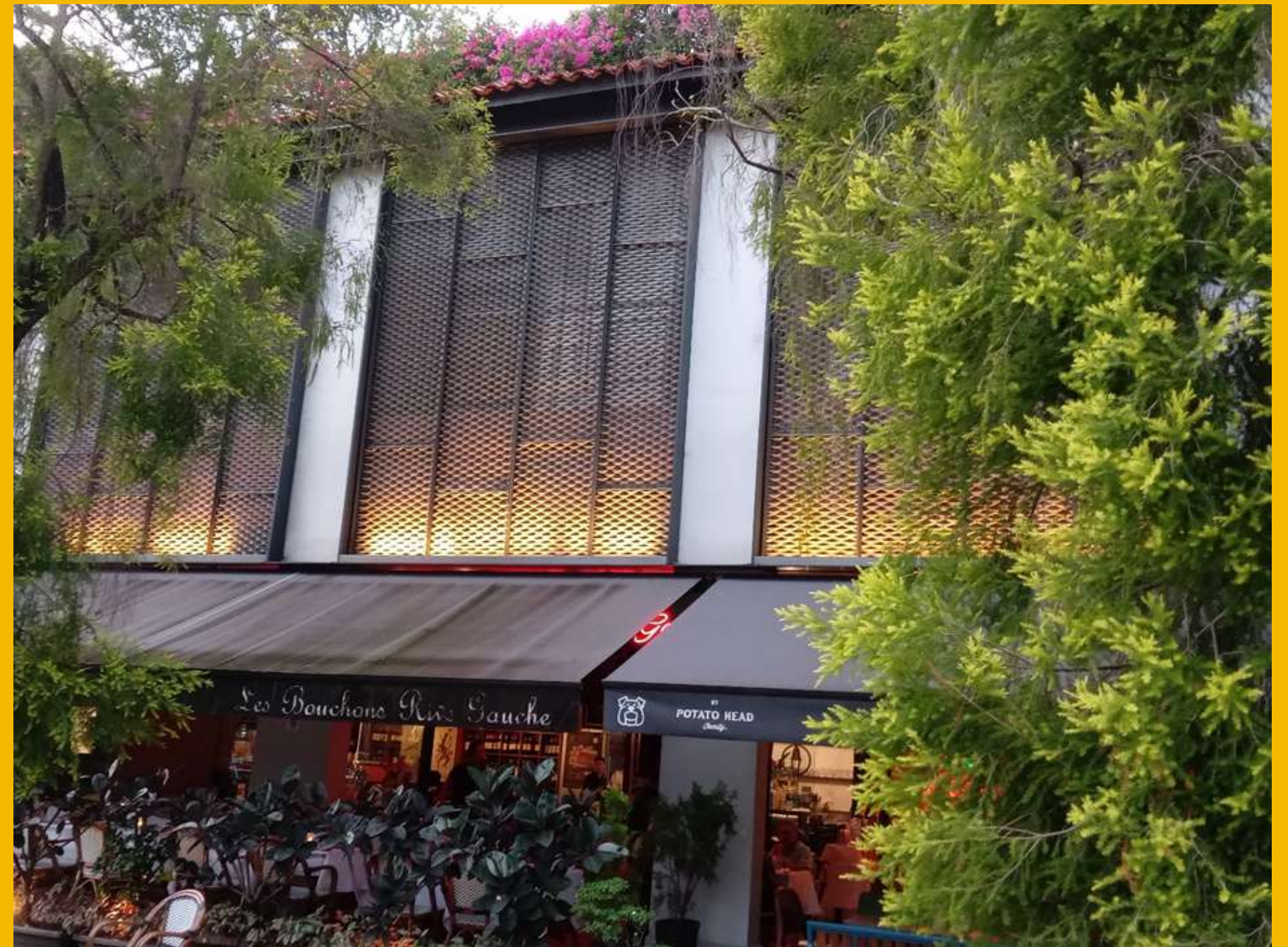


Technical Specification



ARCHITECTURAL APPLICATIONS





**Application:
Exterior Facade Panels**





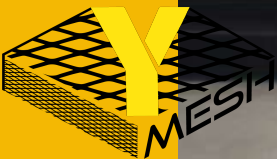
**Application:
Vertical Garden Panels**



**Application:
Shop Fronts**



**Application:
Pillar Covers**





**Application:
External Gardening Panel**



**Application:
Table Counter Front**



**Application:
Roof Panels**



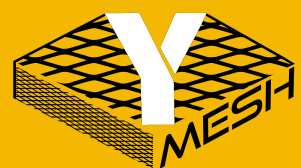


**Application:
Advertising Boards**





**Application:
Facade Cover Panels**





**Application:
Façade Panels**

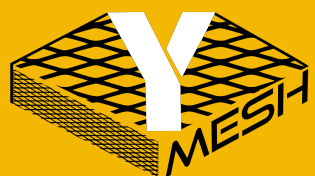




**Application:
External Façade Panels
For Green Covers**



Staircase And Walkways





**Application:
Staircase Side
Safety Panels**





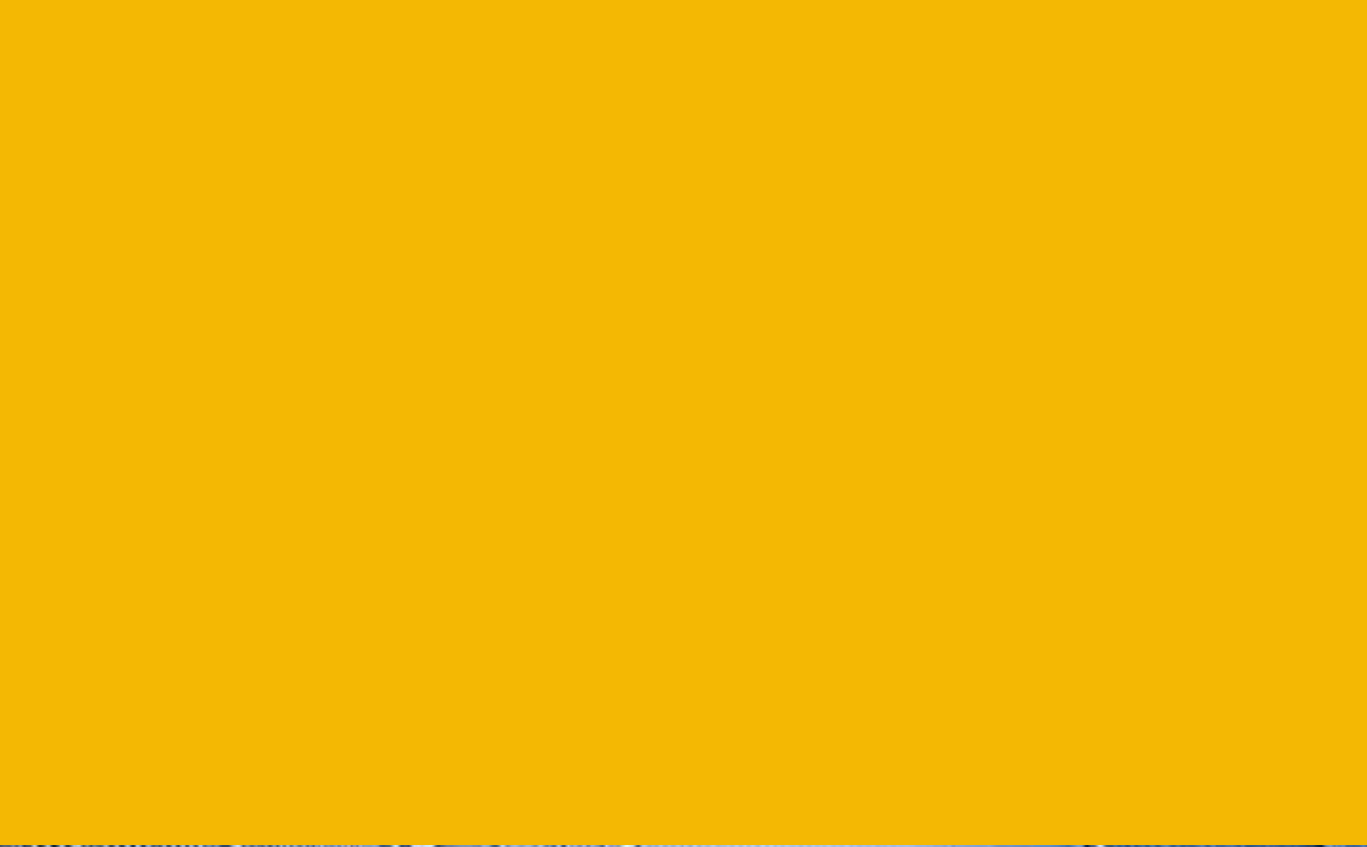
**Application:
Walkway Cover Panels**





**Application:
Overhead Walkways**



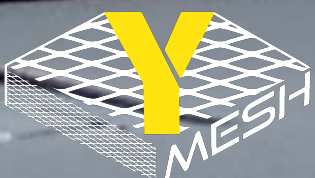


Walkways

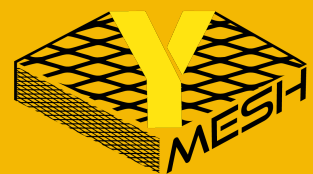




**Application:
Walkway Grill Panels**



MEP COVERS



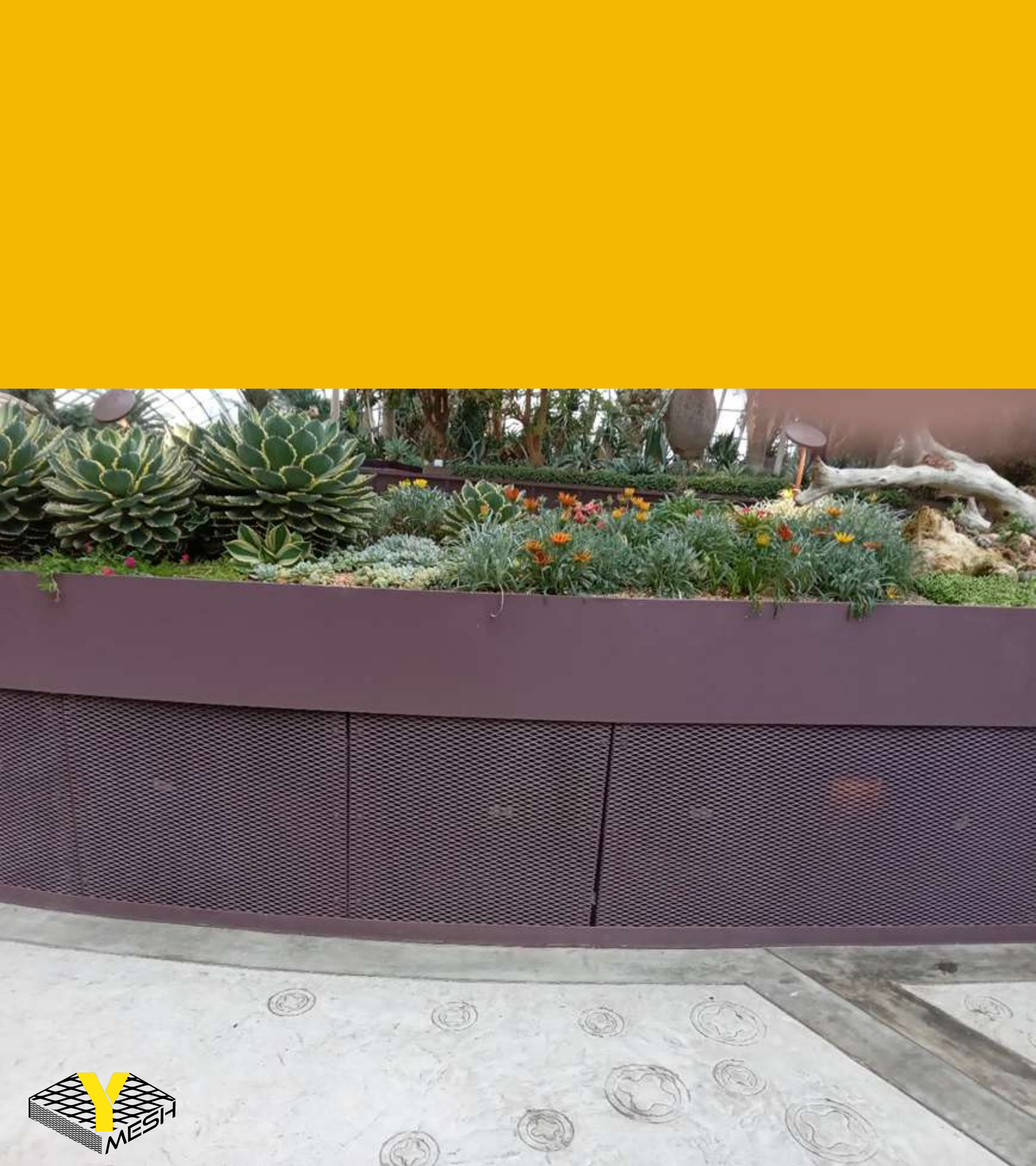


**Application:
Duct Panelling**





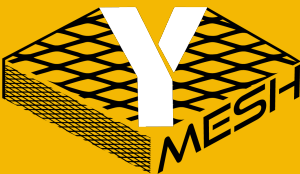
**Application:
Cover Panels for
Safety Equipment**



**Application:
Wall Cover Panels**

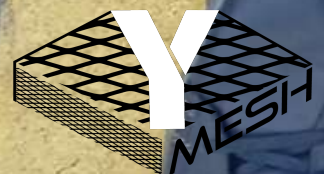


SEWAGE COVERS





**Application:
Sewage Line Covers**

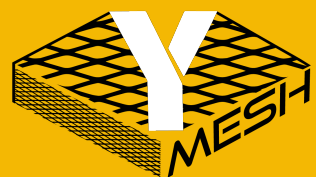


Security Fencing

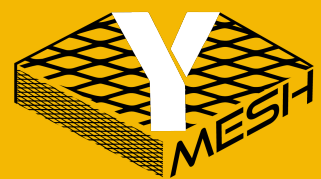
Our security fence solution is most innovatively design and suitable to use in,

- Prisons
- Military & Police Camps
- Power Stations
- Reservoirs
- Television / Communication Transmission Towers
- Gas & Oil Refineries
- Airports
- Perimeter fencing along border & coast lines
- Any other locations with intrusion risks.
- The barbed expanded metal security panel can be manufactured using stainless steel or hot dipped galvanized mild steel

Type	Ref No	Material	Size In mm	Size In mm	Strand Width In mm	Sheet Thickness In mm	Sheet Size in mm
			SWM	LWM	SW	T	SWM X LWM
ATM	953530	Steel	95	200	3.5	3.0	3000 X 1800
Barb Thickness 0.6mm							



PERIPHERAL FENCINGS AND SAFETY FENCINGS



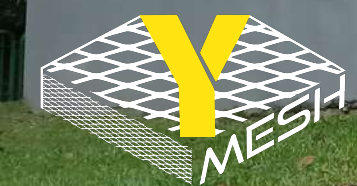


**Application:
Peripheral Fencing Panels**





**Application:
Security Fencing**



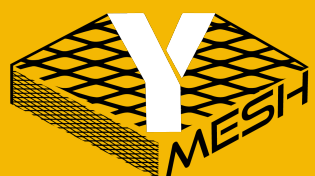


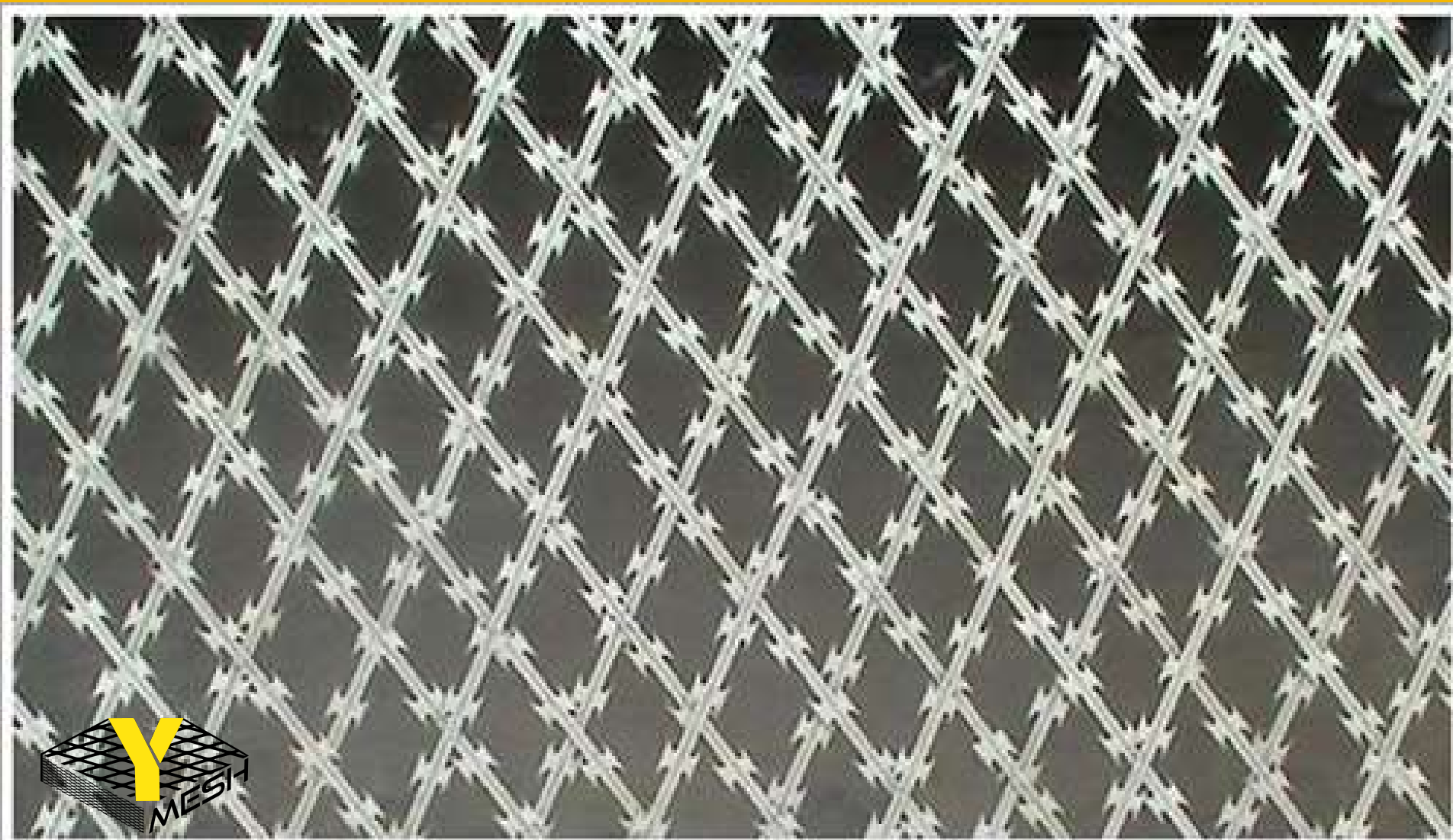
**Application:
Safety Fencing**

Anti-Climb Fencing

Anti climb expanded metal mesh fence has been developed for perimeter fencing and internal corridors of prisons, the 12.5mm SWM spacing does not allow gripping of hands or feet, the razor-sharp edges will further deter the prisoners from trying to climb or grip the fence.

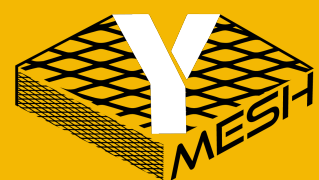
Type	Ref No	Material	Size In mm	Size In mm	Strand Width In mm	Sheet Thickness In mm	Sheet Size in mm
			SWM	LWM	SW	T	SWM X LWM
ACF	J3030	Steel	12.5	76	3.0	3.0	2440 X 1220
Barb Thickness 0.6mm							





**Application:
Anti-Climb Fence**

INDUSTRIAL PRODUCT APPLICATIONS



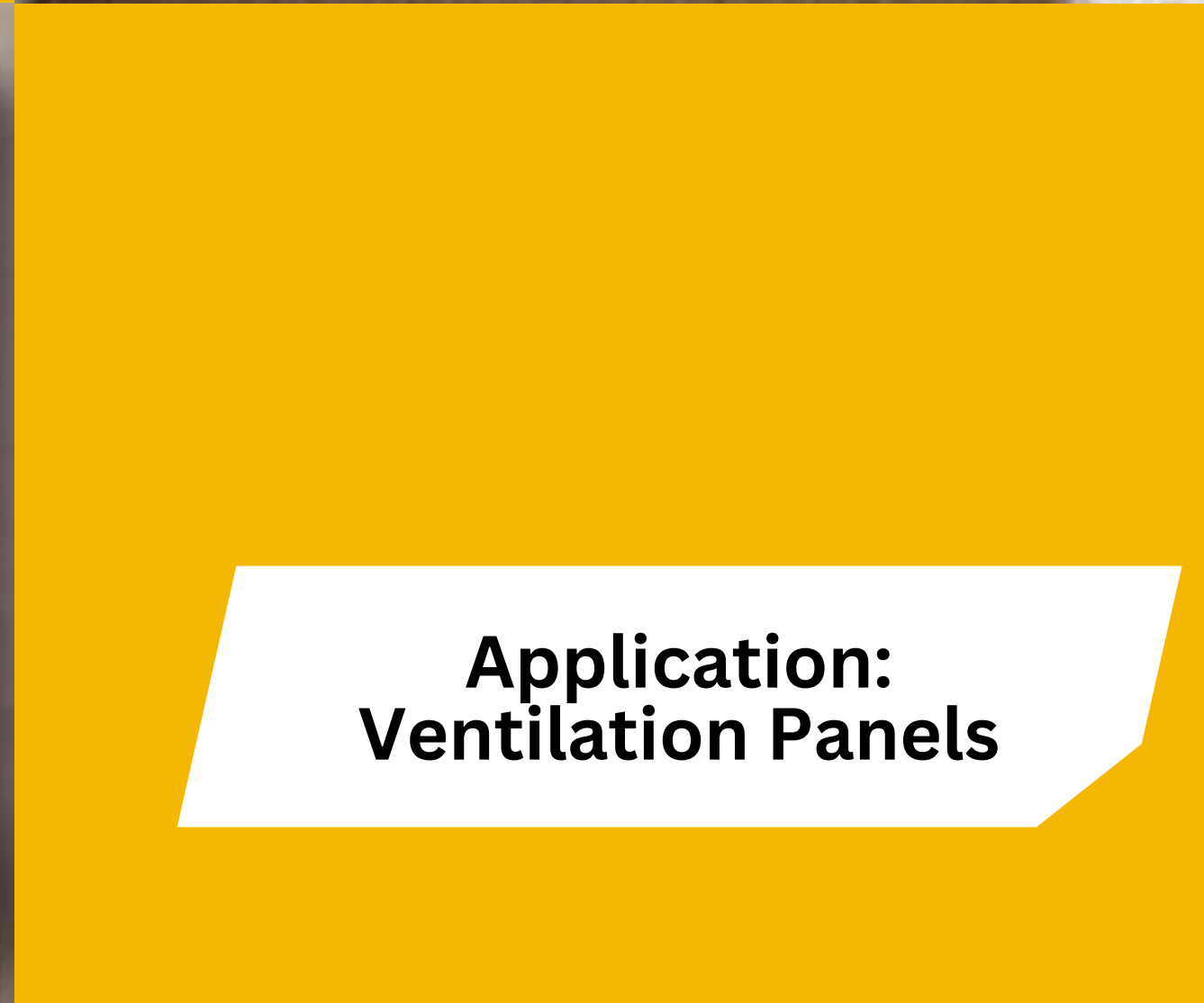


**Application:
Automobile Airlifters**

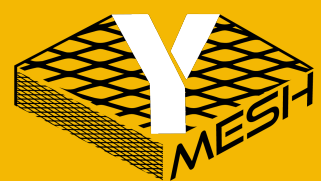


**Application:
Radiator Grills**





**Application:
Ventilation Panels**



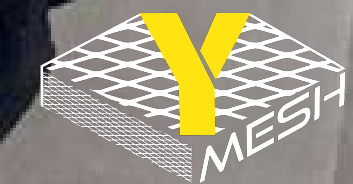


**Application:
Chimney Panels**





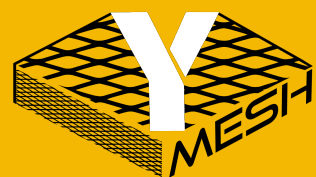
**Application:
Riot Helmets**



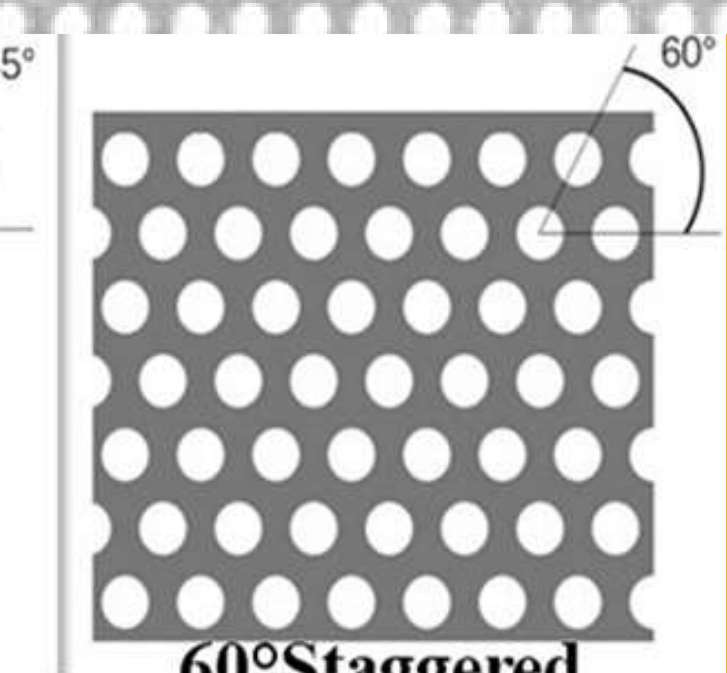
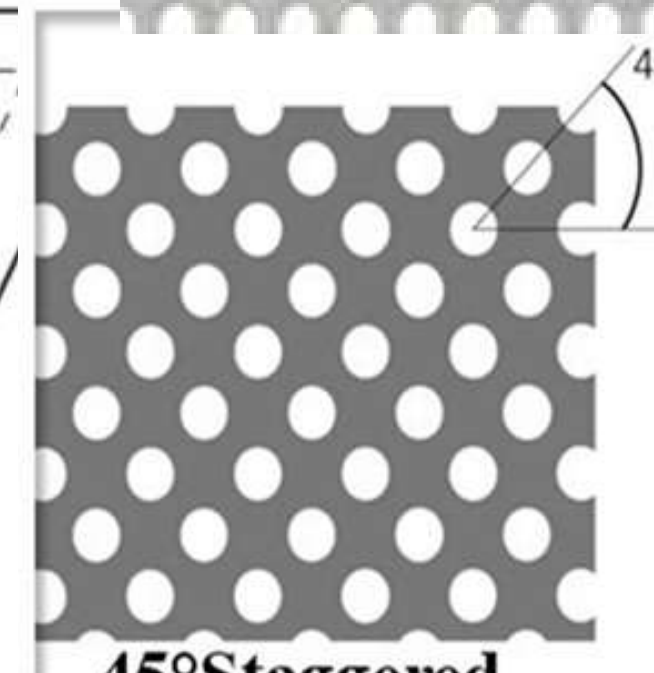
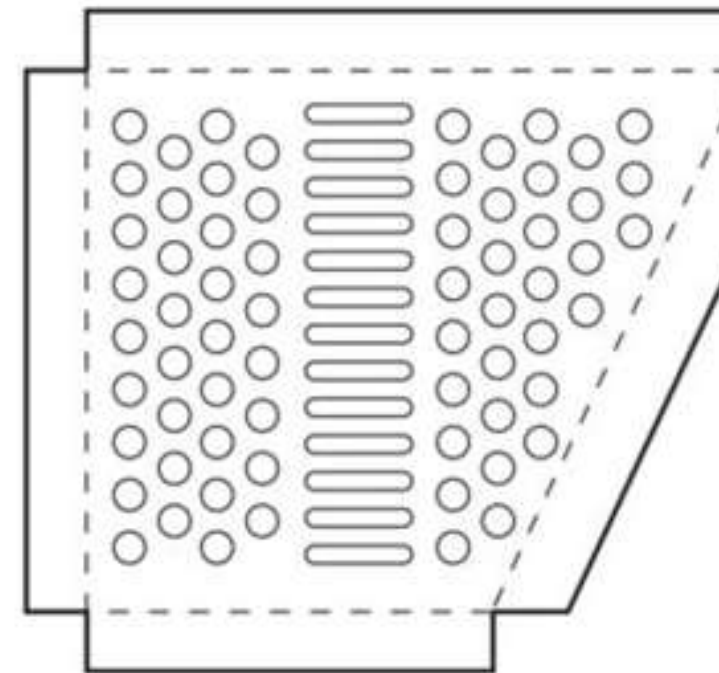
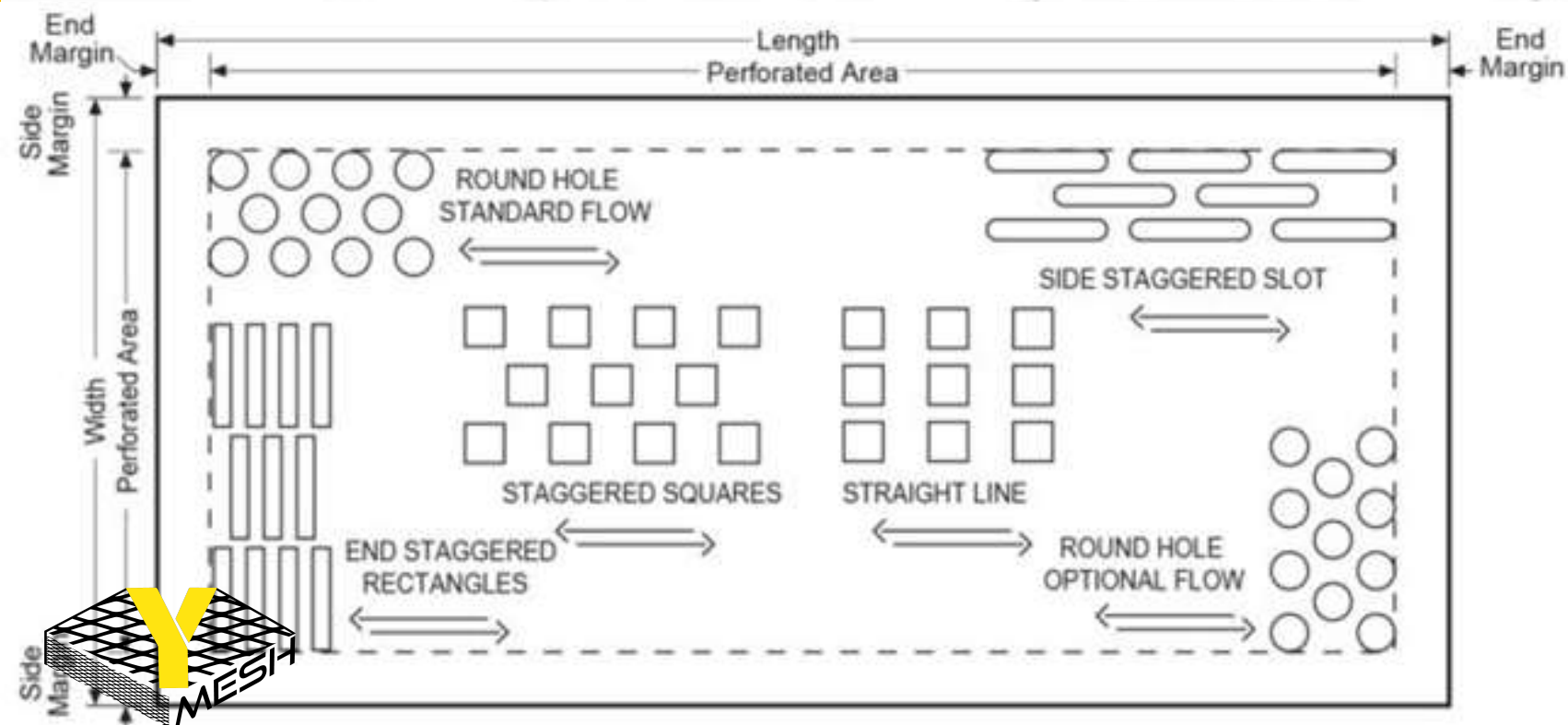
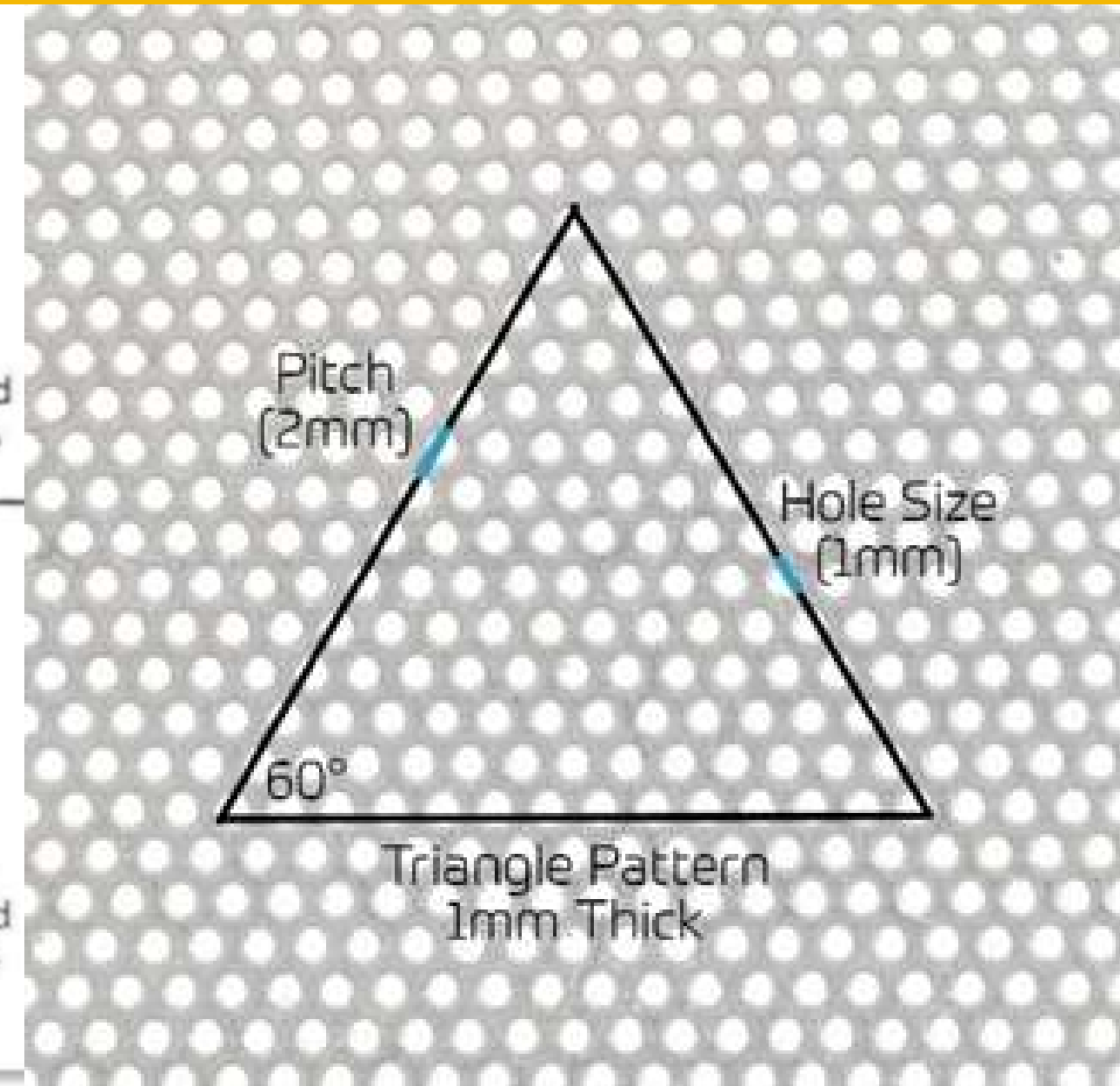


**Application:
Automobile Inlet Grills**

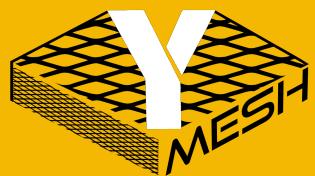
PERFORATED SHEET APPLICATION



Technical Specification

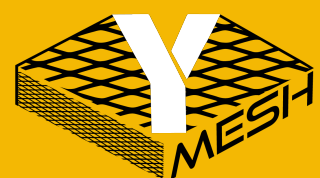


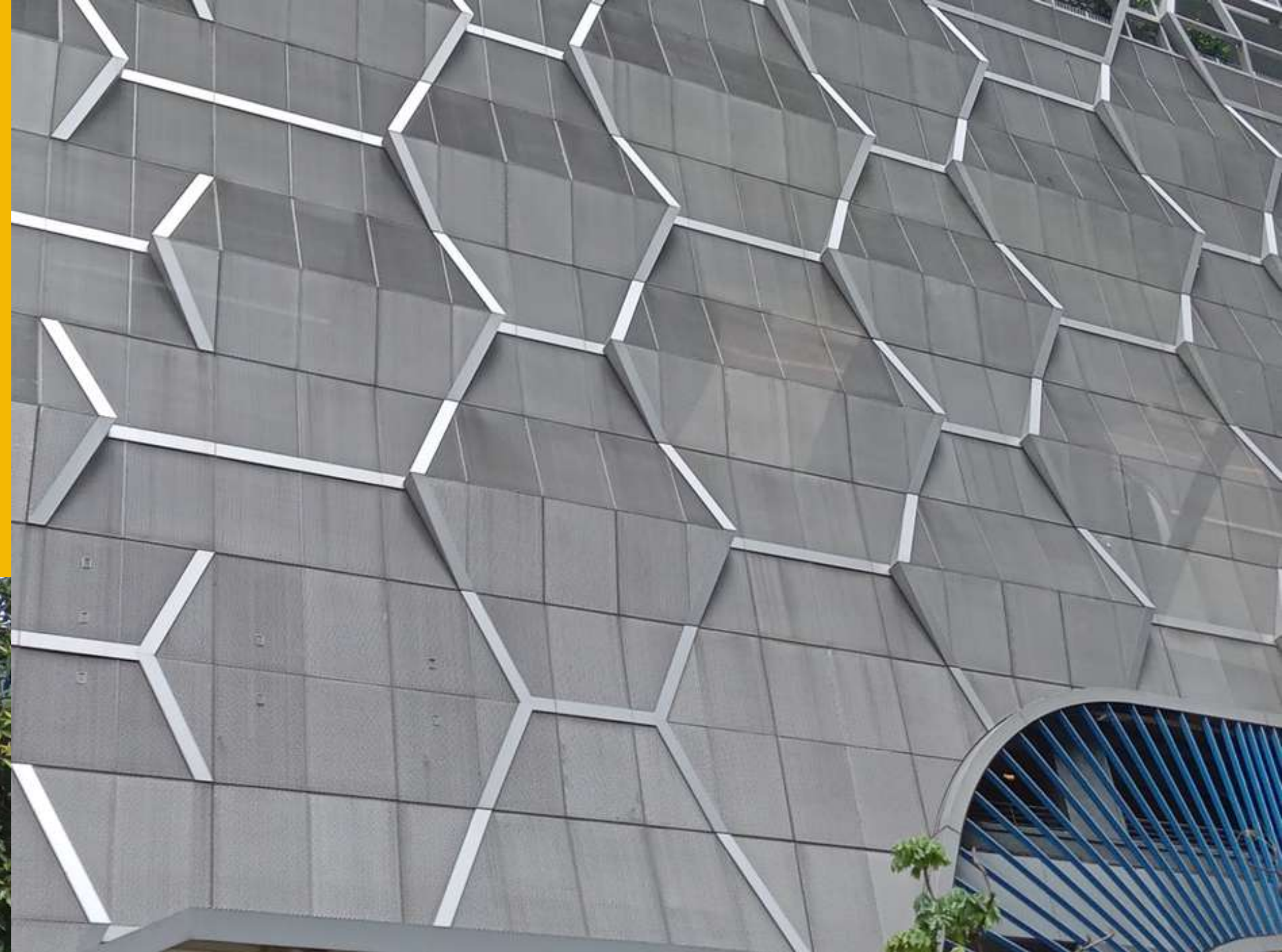
ARCHITECTURAL APPLICATIONS





**Application:
Designer Elements**

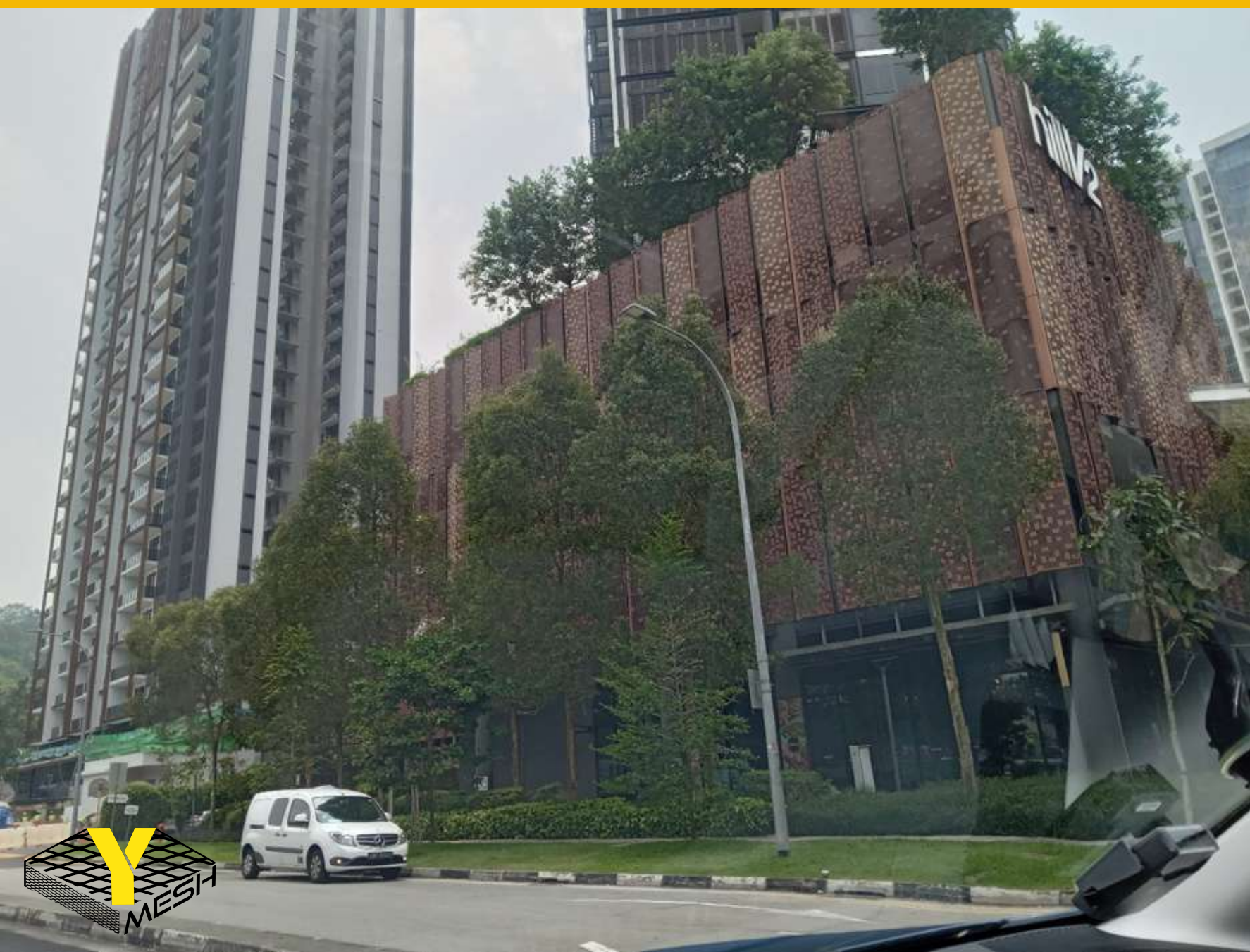




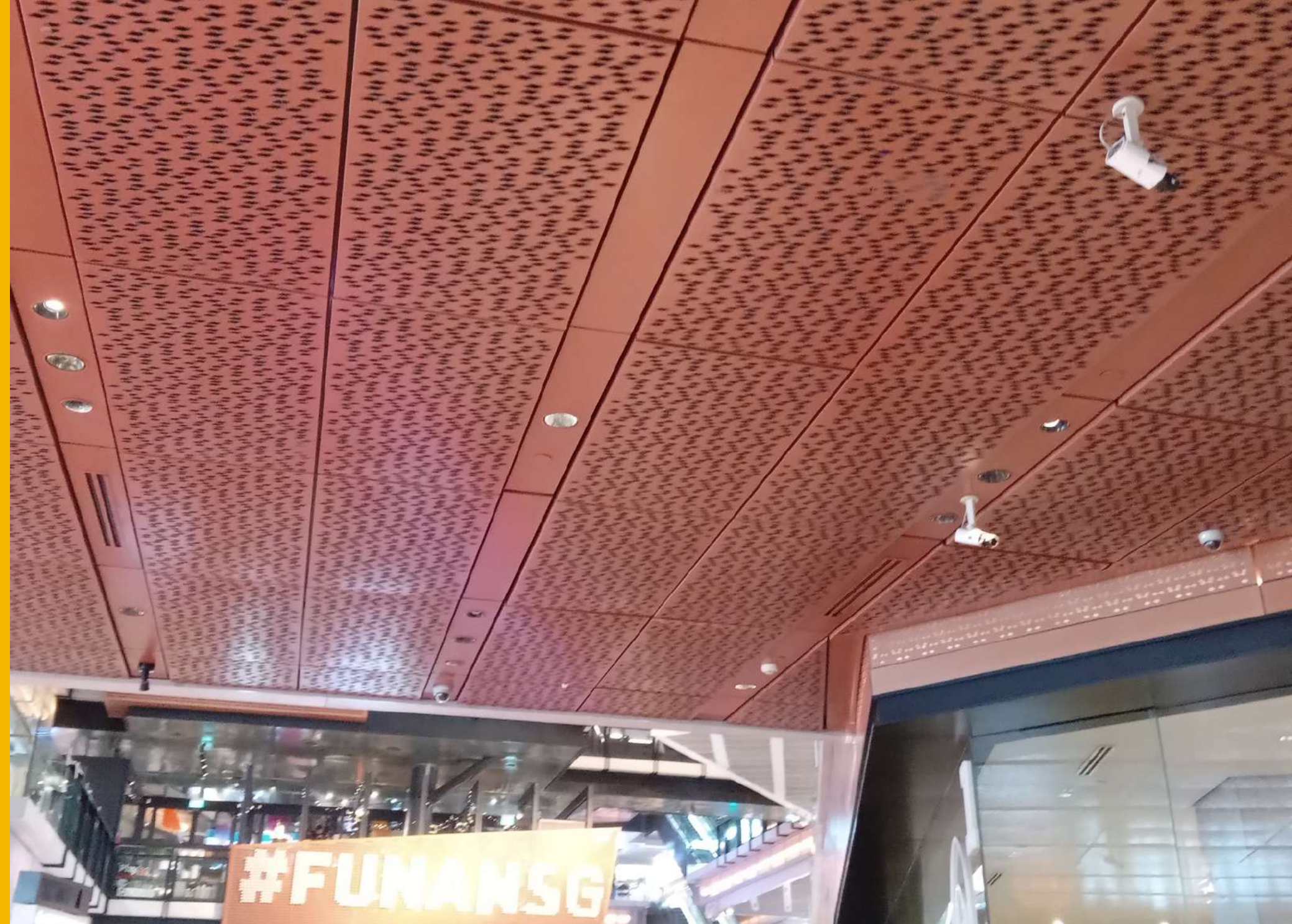
**Application:
Perforated Facades**



**Application:
Counter Cover Panels**



**Application:
Façade Perforations**



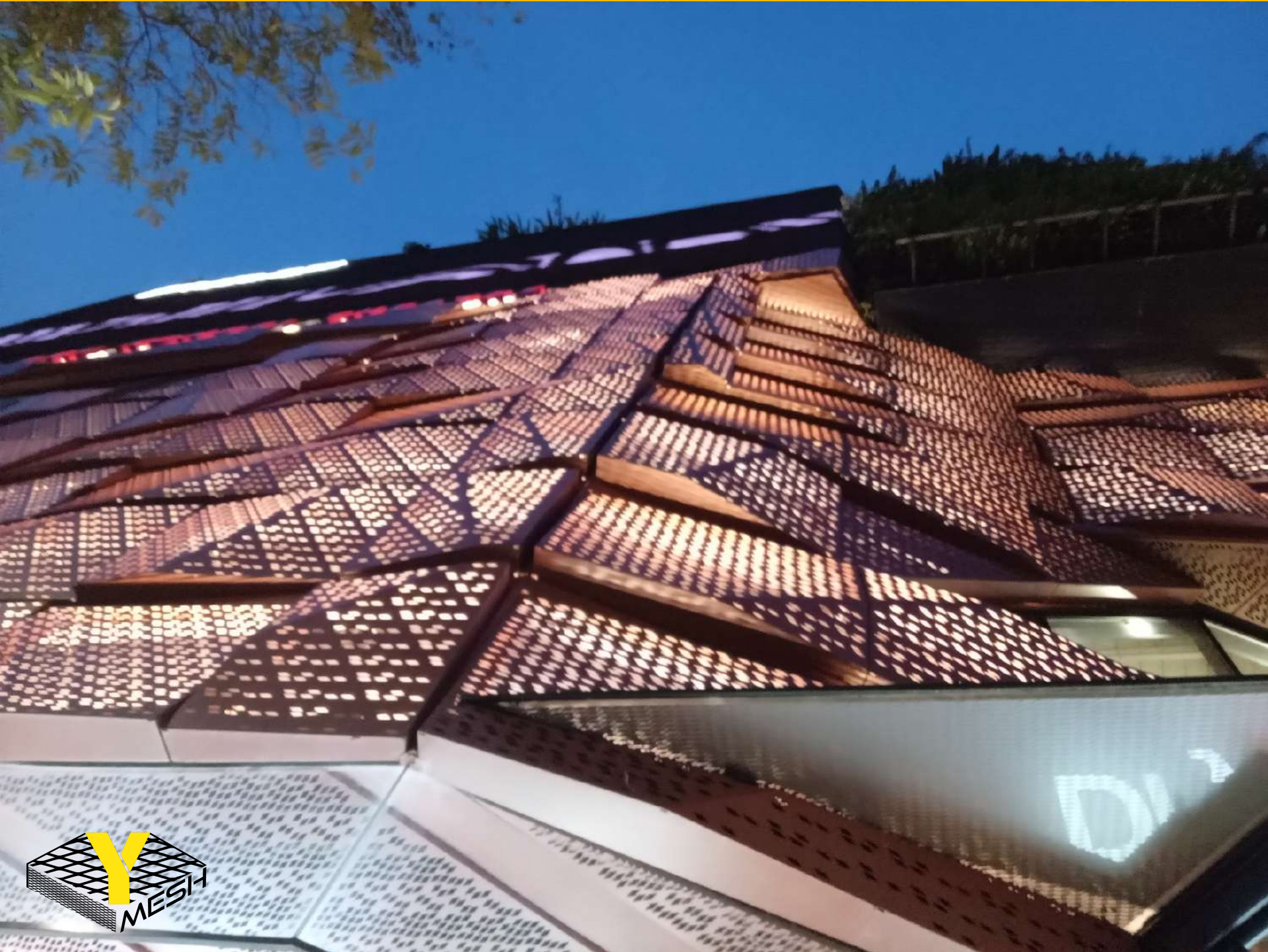
**Application:
Perforated Wall &
Ceiling Panels**



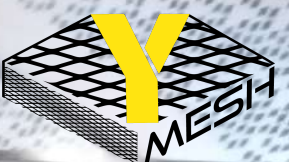


**Application:
Perforated Display
Boards**





**Application:
Exterior Façade Panels**





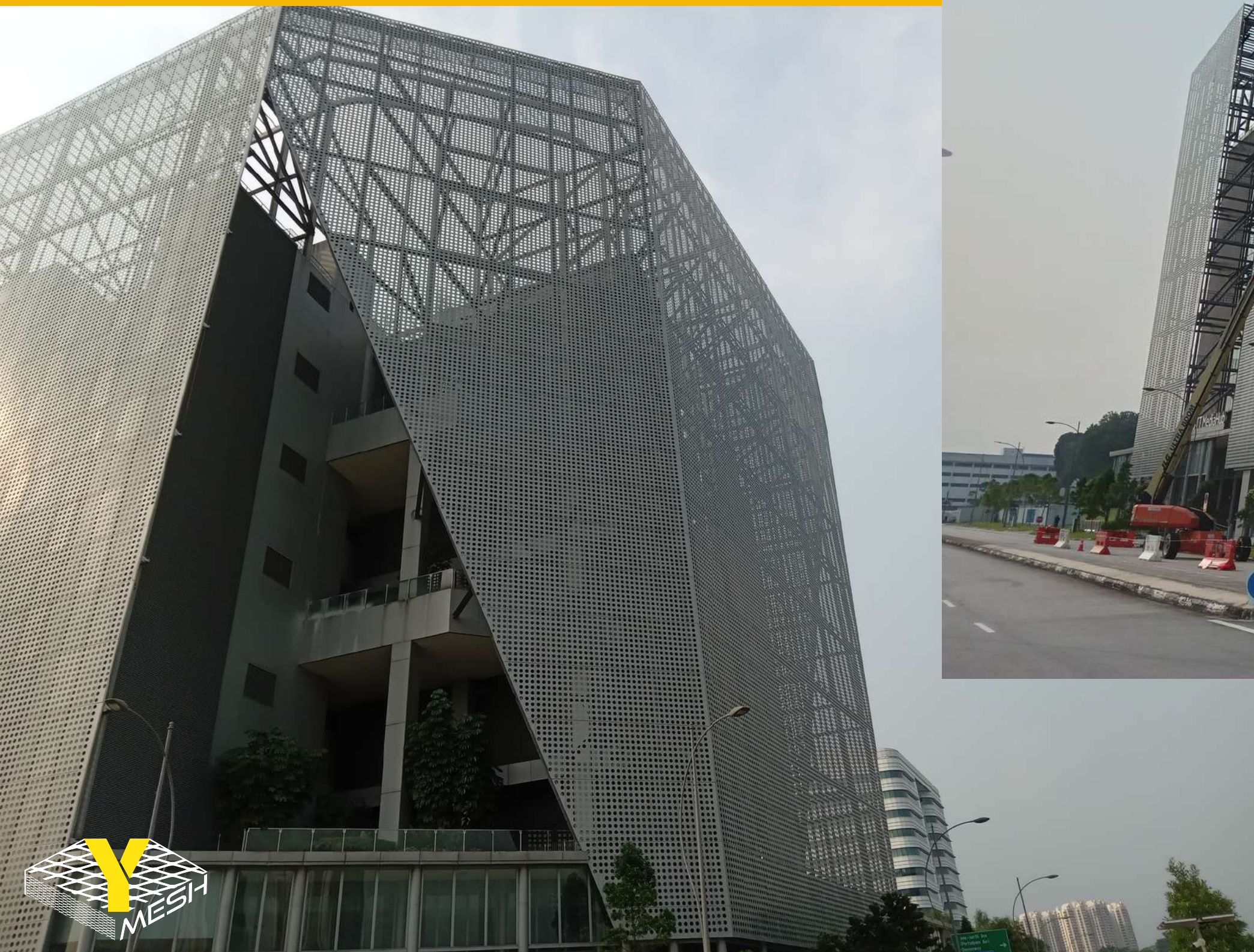
**Application:
Bus Stand Panels**



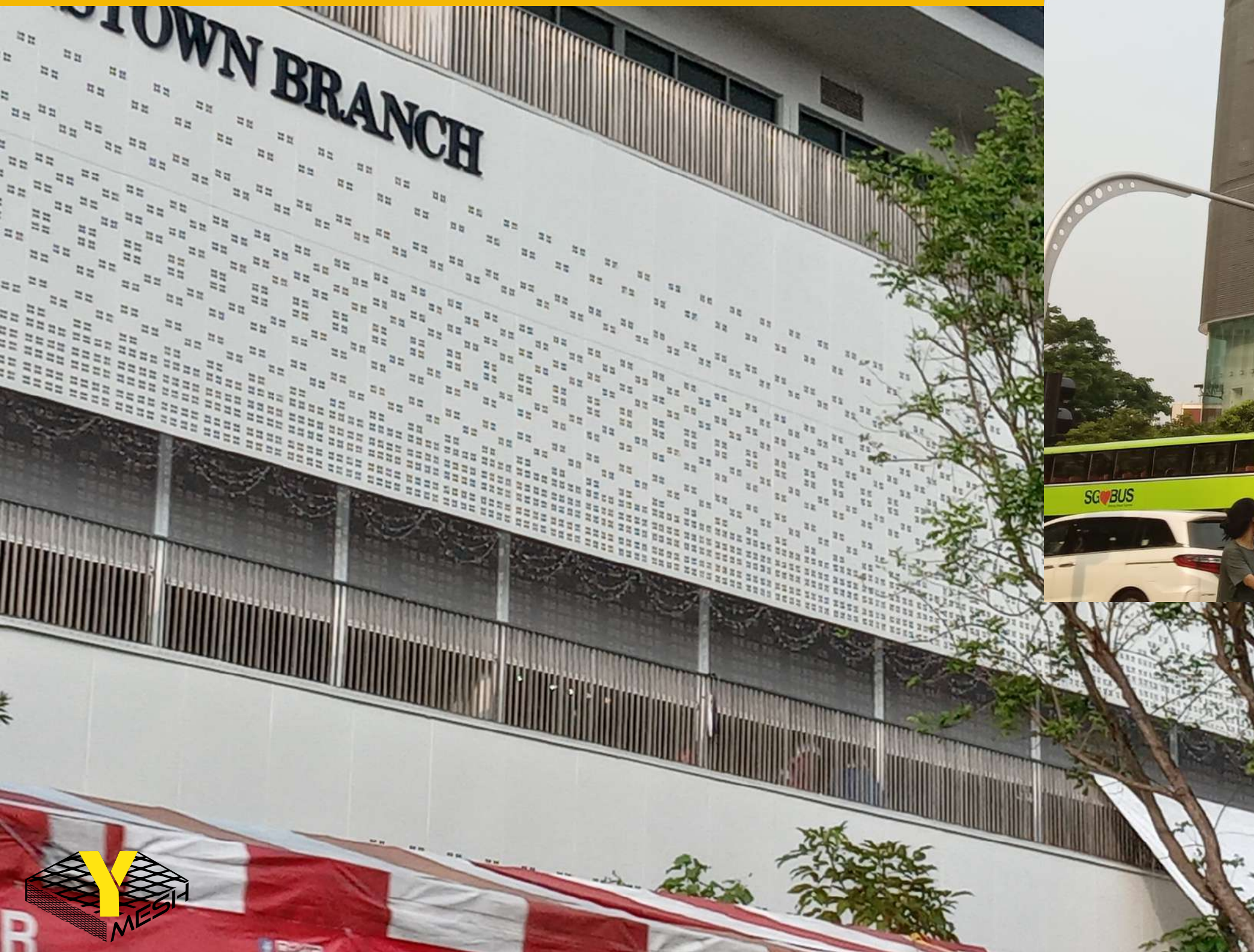


**Application:
Façade Panels**





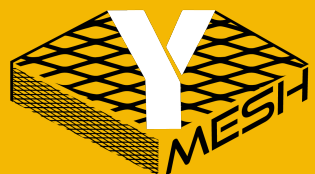
**Application:
Façade Panels**



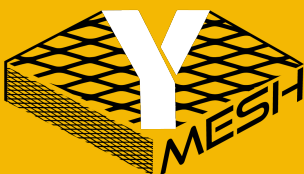
**Application:
Façade Panels**



**Application:
Designer Panels**



MEP COVERS

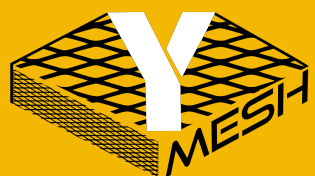


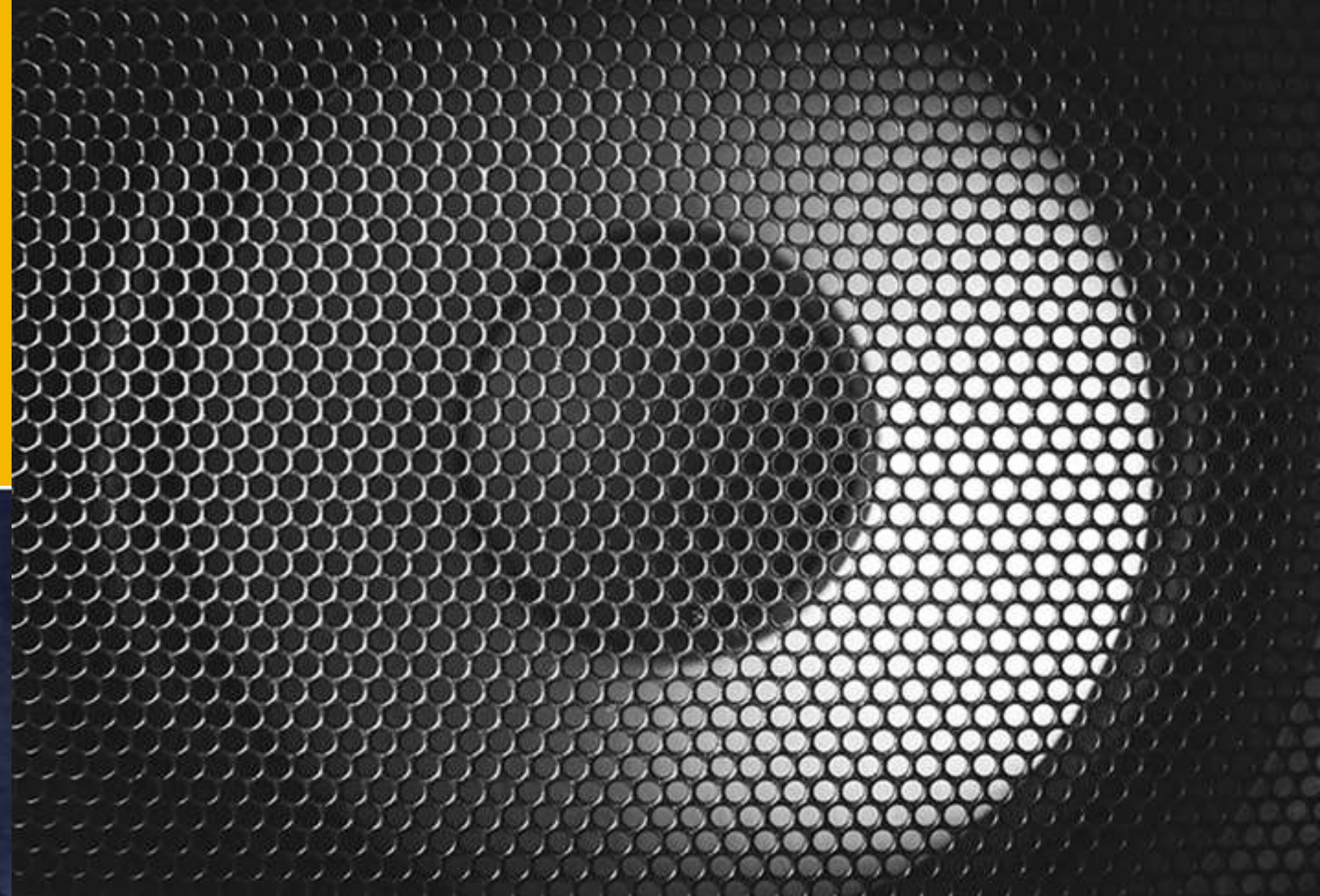


**Application:
MEP Covers**



INDUSTRIAL APPLICATIONS



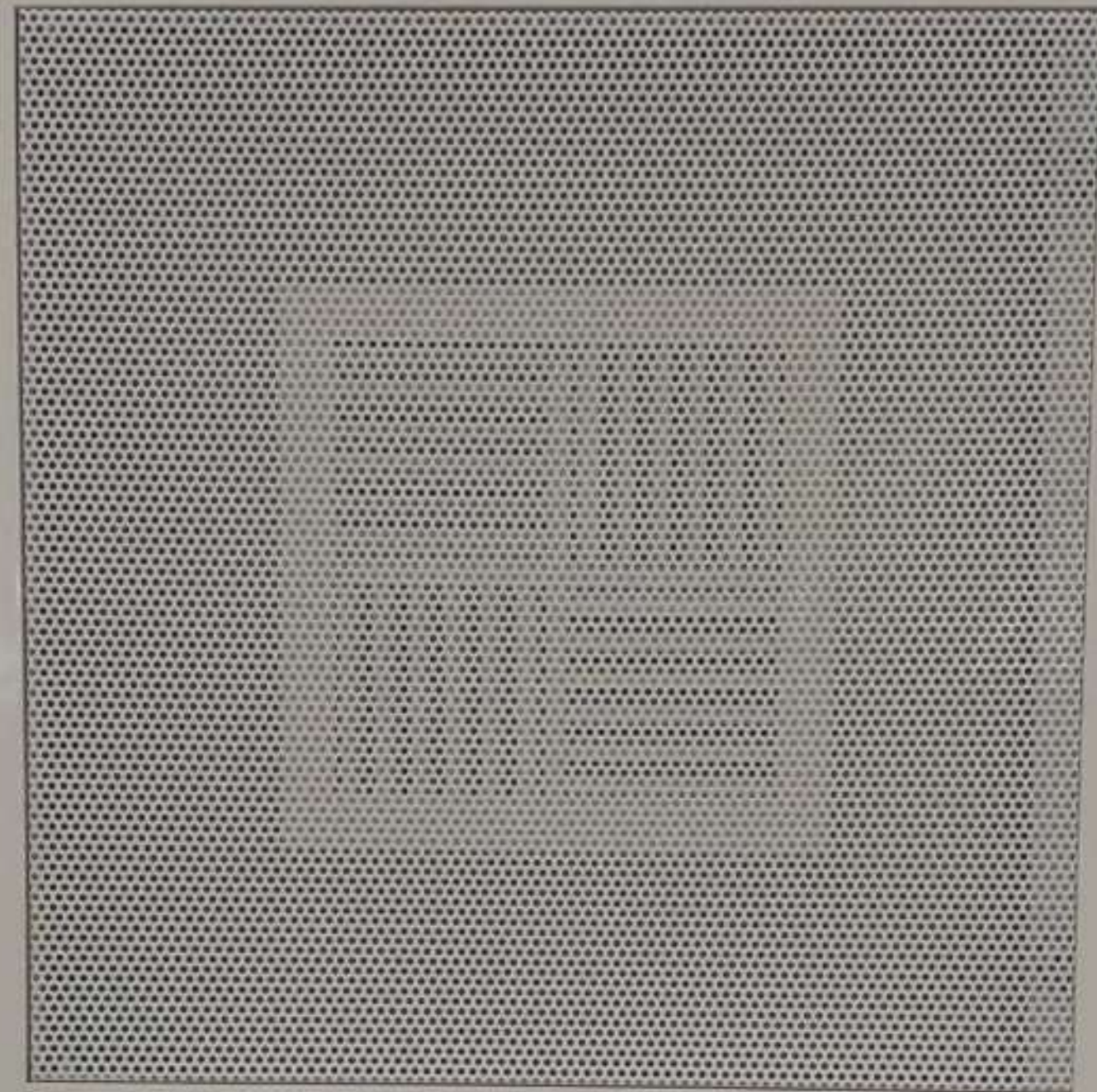
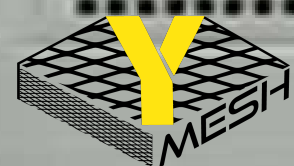


**Application:
Speaker Covers**

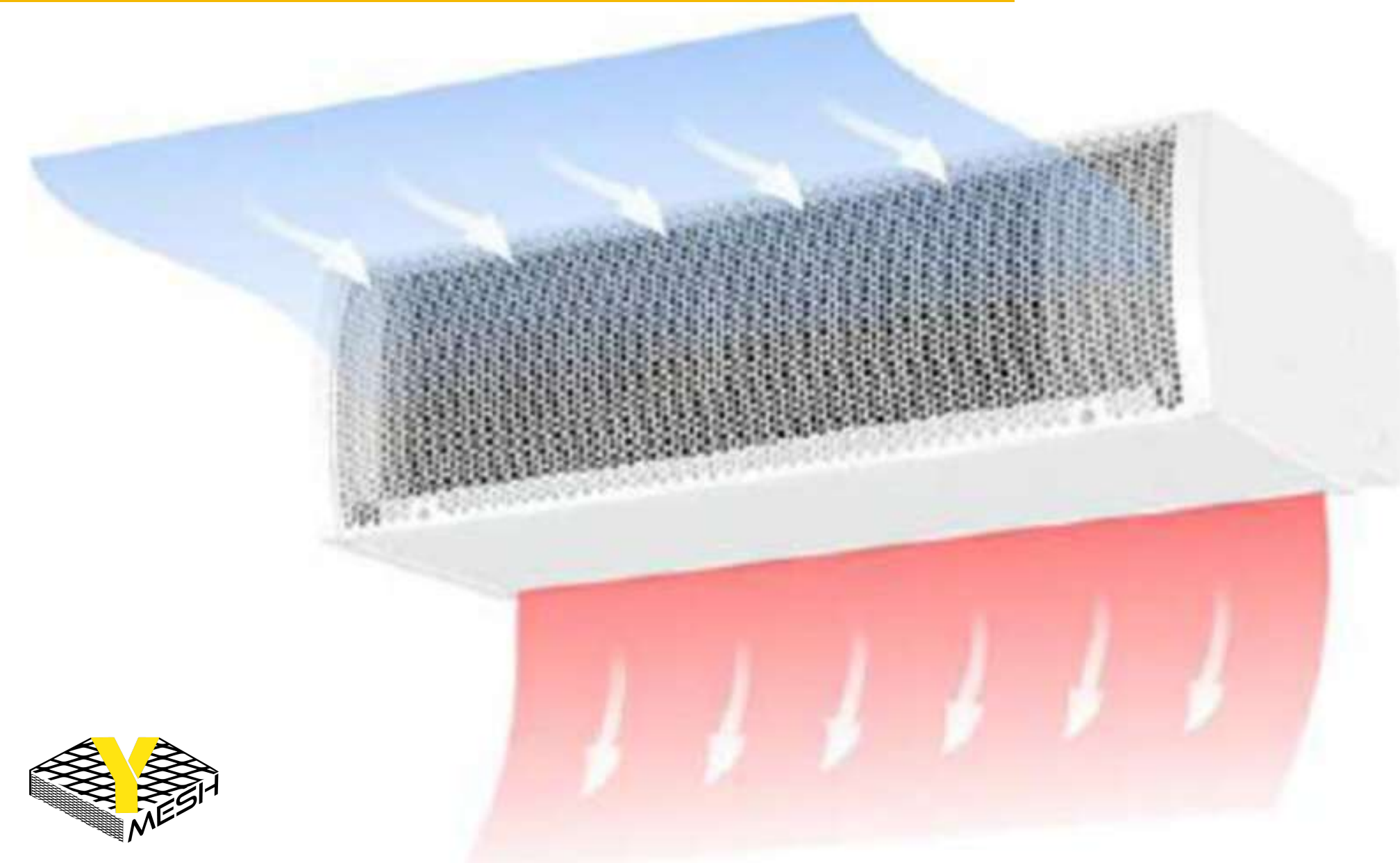




**Application:
Centrifuge Baskets**



**Application:
Mesh Diffusers**

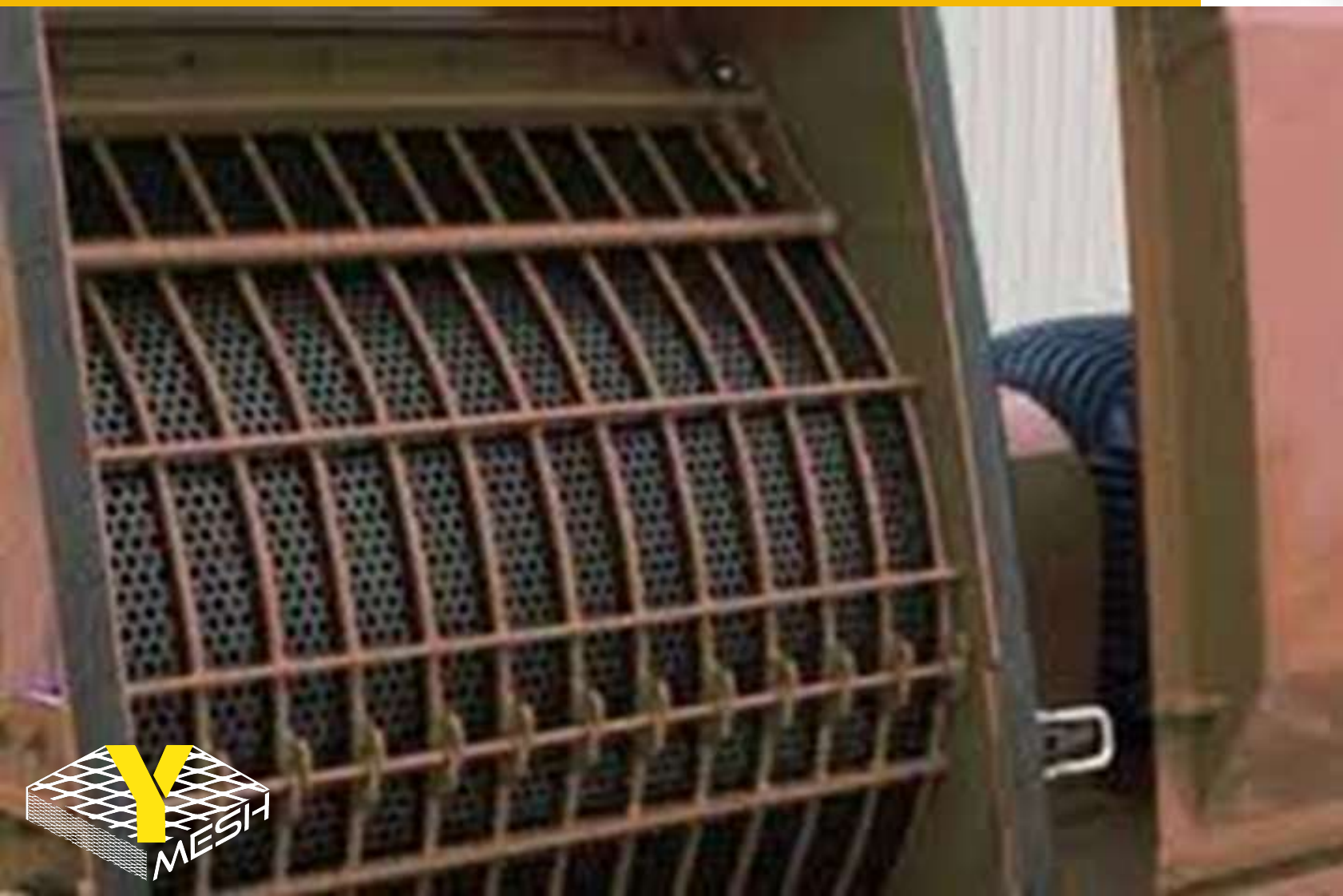


**Application:
Air Curtains**



**Application:
Microwave Screens**



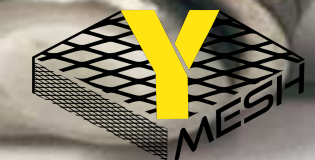


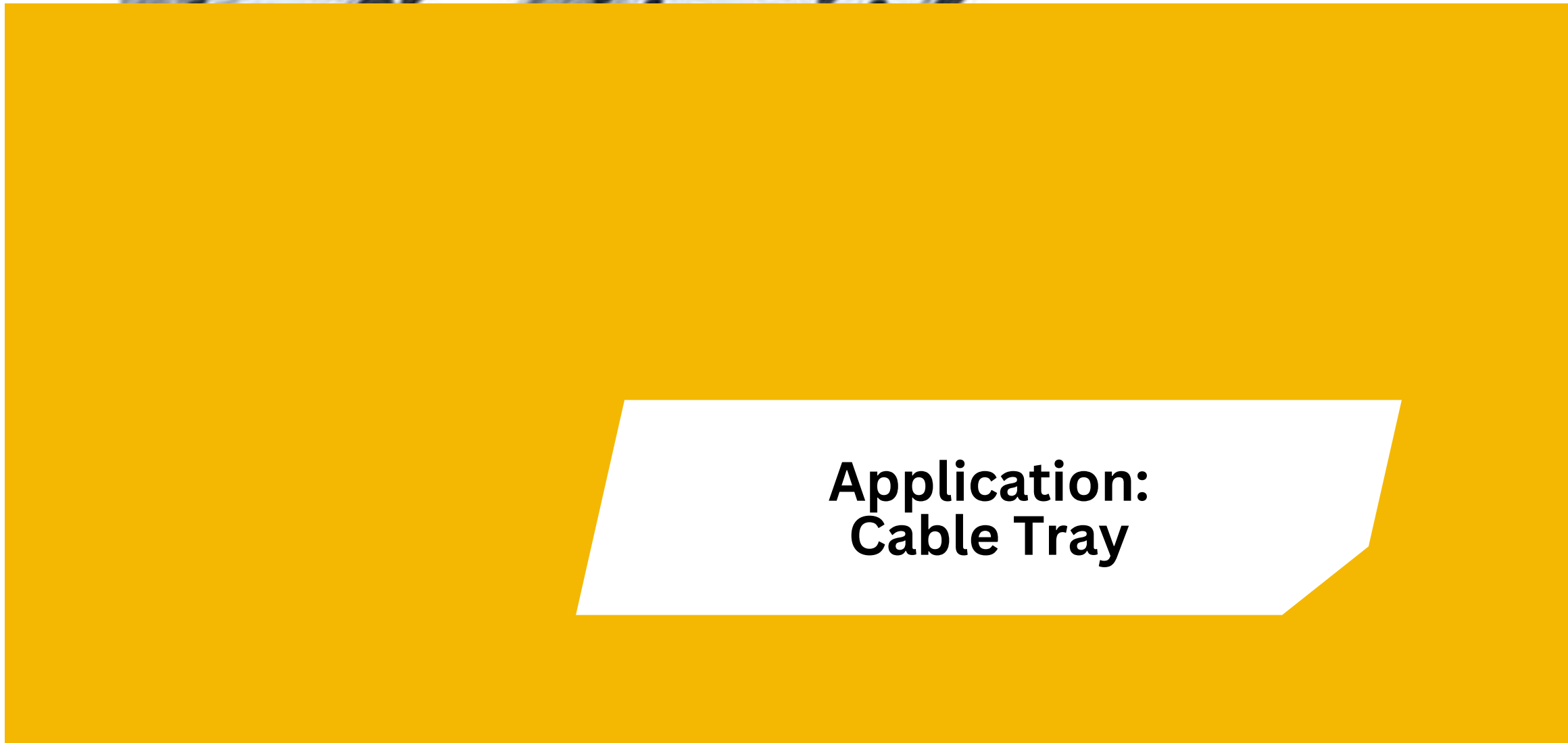
**Application:
Hammer Mill Screen**





**Application:
Conveyor Belts**





**Application:
Cable Tray**





**Application:
Perforated Bins**



**Application:
Stainless Chairs/Benches**

