

Catálogo técnico

► Technical Dossier



IMAR ► Metal Solutions since 1931

Desde 1931 en IMAR somos especialistas en la ingeniería y fabricación de todo tipo de soluciones en chapa perforada, abocardada, estampada y metal expandido tanto para la Industria como en la arquitectura singular.

Nuestros productos llegan a todos los rincones del mundo desde nuestros dos centros de producción. Y la fabricación y control de nuestros propios troqueles con la maquinaria más avanzada, nos permite dar respuestas rápidas, competitivas y novedosas y desarrollar con éxito los productos más complejos y exigentes.

**SINCE
1931**

In IMAR we specialize in the engineering and production of all types of solutions in perforated metal and also in other varieties such as flared, embossed and deployed metal both for industry and architecture. From our two production centers, our products reach all corners of the World. And the manufacture and control of our own dies and drill presses allows us fast, competitive and innovative responses and to develop successful, complex and demanding products.



The background is a blue-tinted photograph of an industrial setting, likely a metal processing or manufacturing environment. It shows various metal components, including a large, flat, rectangular piece at the top and a textured, mesh-like surface in the middle. A yellow triangle is overlaid on the left side of the image, pointing towards the right. Inside this triangle is the number '01' in a large, bold, black font.

01

Soluciones Metálicas

Metal Solutions

Alta Capacidad de Producción

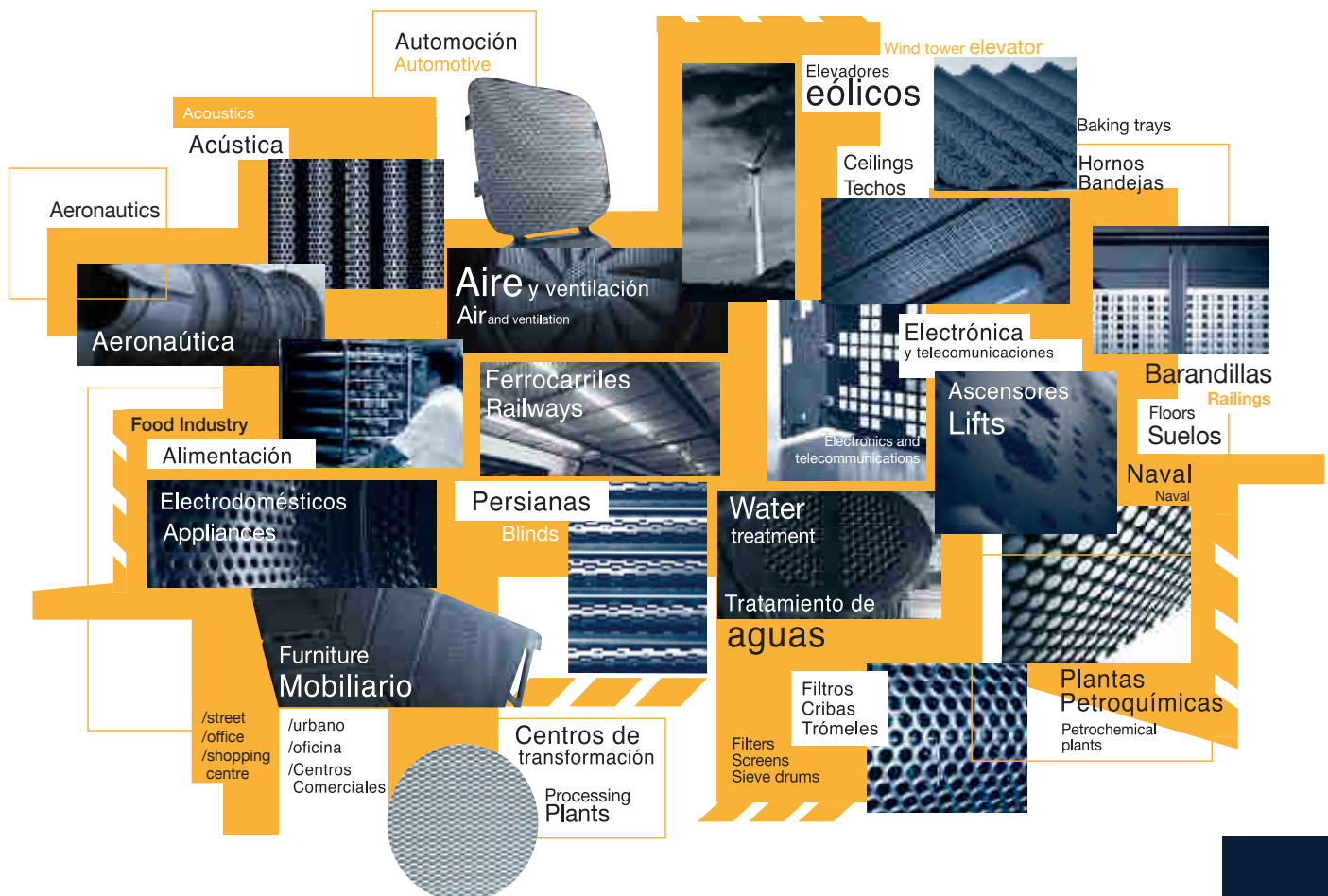
High Manufacturing Capacity

Contamos con dos centros productivos: uno en Ortuella (Vizcaya) de 7.500 m² y otro en Miranda de Ebro (Burgos) de 8.200 m². Su complementariedad nos permite ofrecer una alta capacidad de fabricación, servicio e innovación para múltiples aplicaciones en todo tipo de sectores.

We have two production sites: one in Ortuella (Bizkaia) of 7500 m² and another in Miranda de Ebro (Burgos) of 8200 m². The sites complement each other, allowing us to offer a high capacity for manufacturing, service and innovation for multiple applications in all types of sectors.

Aplicaciones

Applications



Materiales

Materials



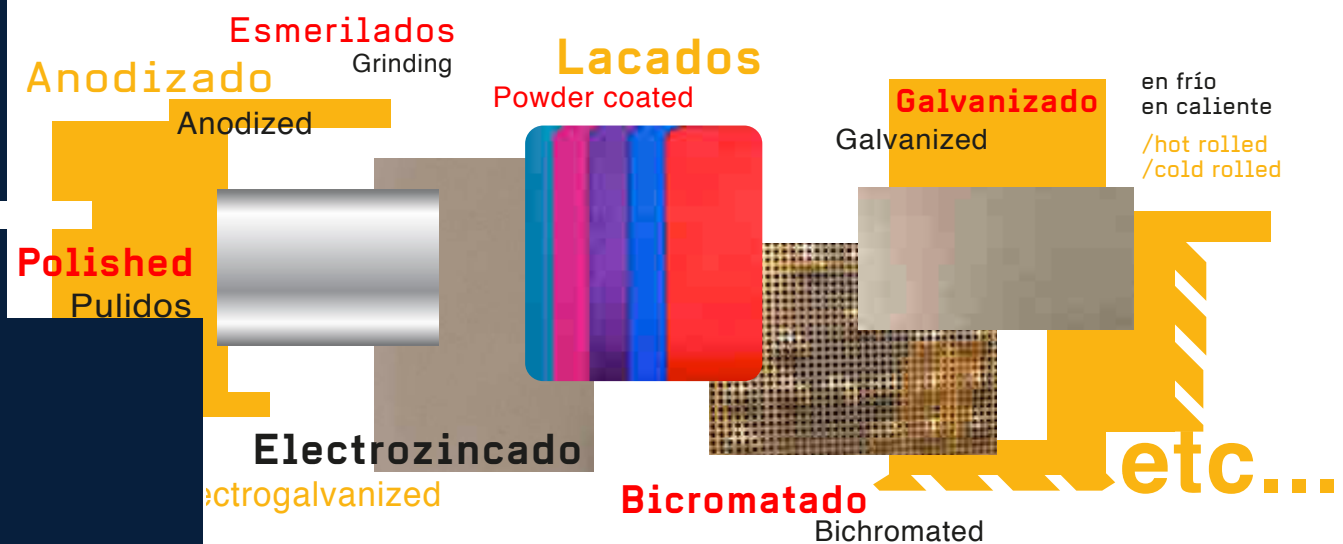
Stock Permanente

Permanent Stock

Acabados

Finishes

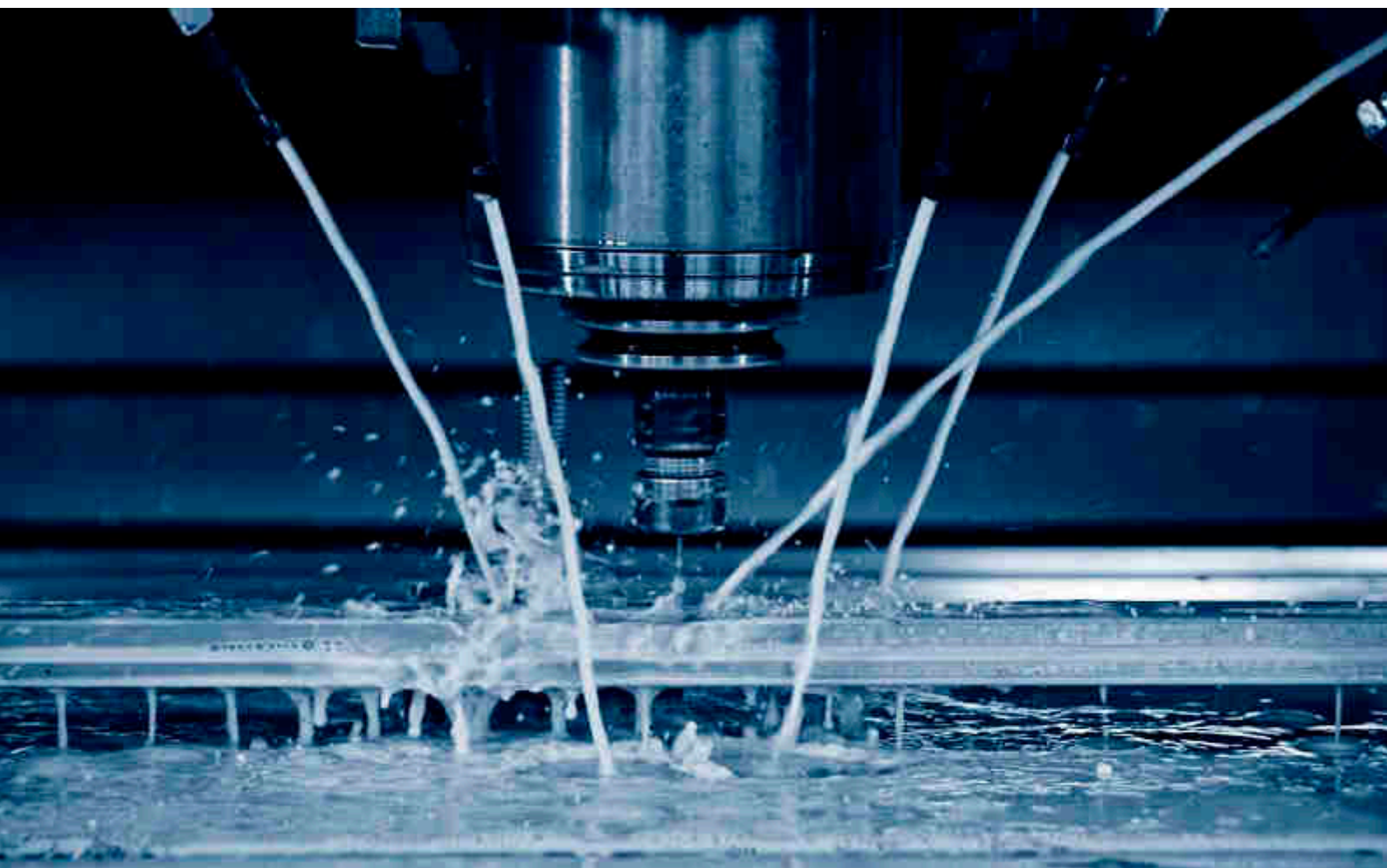
- Bobinas, flejes y chapa de diferentes formatos y con normas de calidad internacionales.
- Entrega en 24 h. en cualquier punto de España para formatos en stock.
- Coils, strips and sheet metal in different formats and with international quality standards.
- For permanent stock panels, delivery in 24 hours anywhere in Spain.



Troqueles Dies

En IMAR disponemos de nuestro propio Departamento de Troqueles con la experiencia, precisión y tecnología necesarias. Nuestra experiencia y conocimiento en la creación de troqueles desde 1931 y la disponibilidad de los utillajes y maquinaria más avanzada, nos permite ofrecerle un extenso inventario con todo tipo de troqueles y dar una respuesta rápida, competitiva y novedosa en el diseño y creación de nuevos retos que no se encuentren entre la amplia relación de nuestro almacén.

At IMAR we have our own Tool Department with the highest precision and latest technology. Our experience and know-how in making tools since 1931 and the availability of the most advanced tools and machinery, allow us to offer an extensive range of tools and to give a quick, competitive and innovative response in design to the new challenges not included in our wide die warehouse.



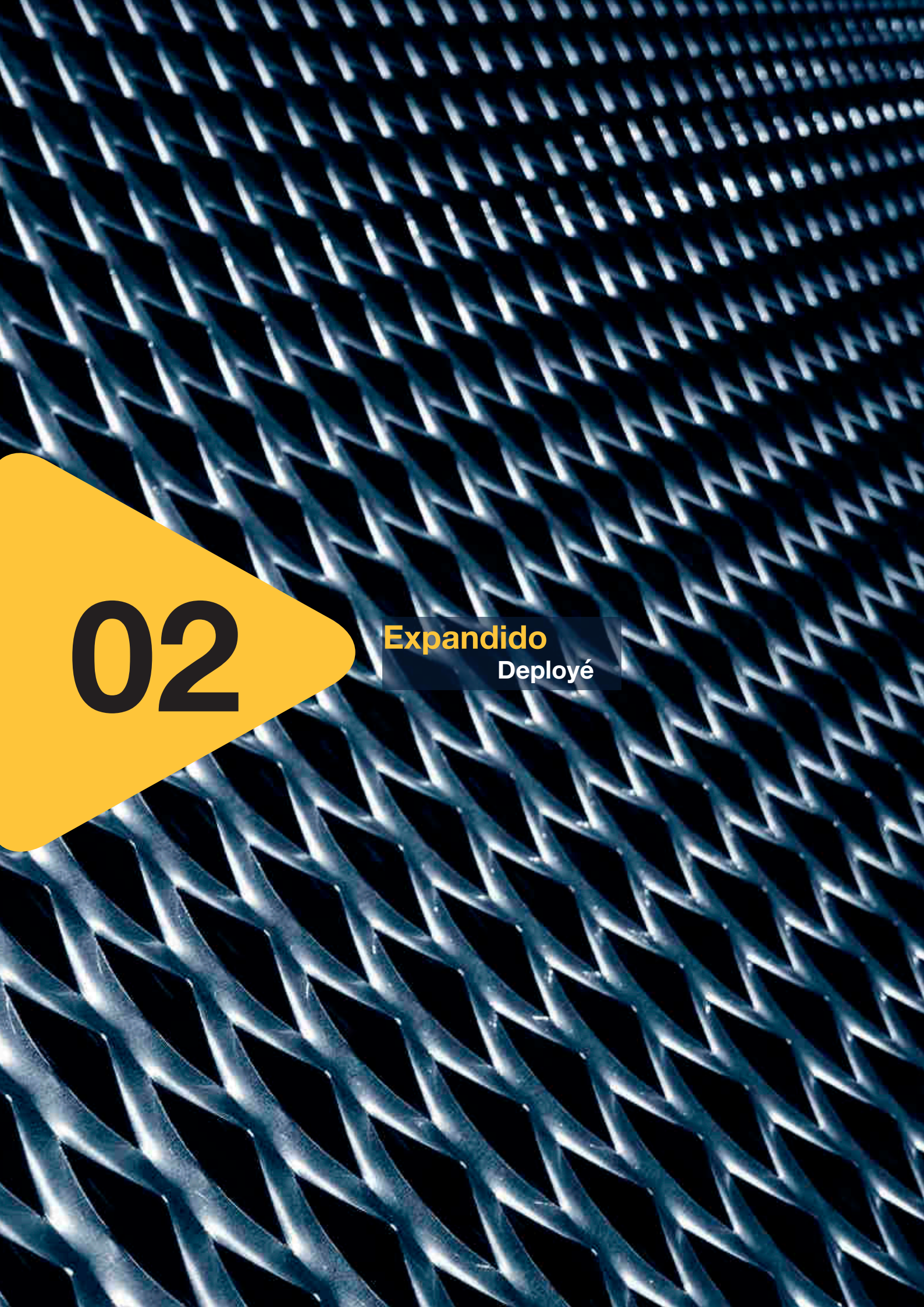
El troquel preciso

The accurate **die**

La información técnica de este catálogo no es un listado cerrado. En nuestra Área de Troqueles podemos elaborar cualquier troquel que se ajuste a sus necesidades.

The technical information in this catalog is not exhaustive. Our tool department can make any tool you need.





02

Expandido
Deployé

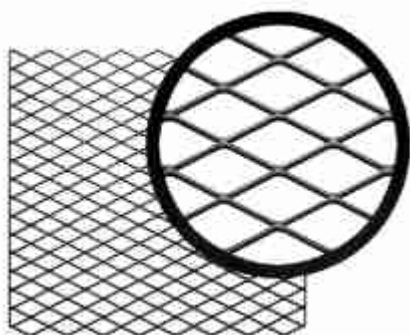
Metal expandido

Expanded Mesh

Romboidal

Rhombus

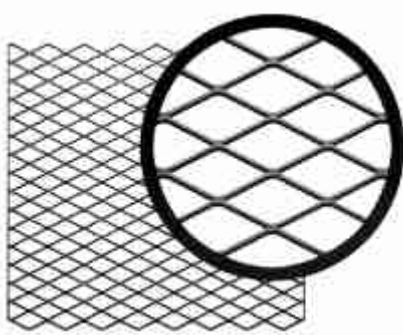
RO



Romboidal laminado

Rhombus laminated

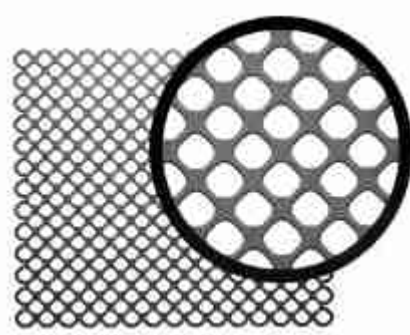
ROL



Redondo laminado

Round laminated

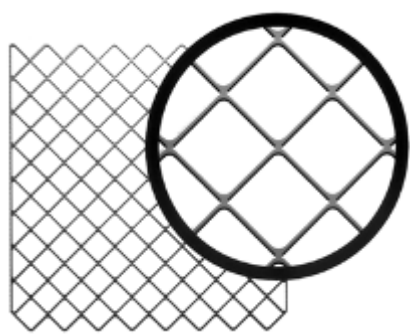
RL



Cuadrado laminado

Square laminated

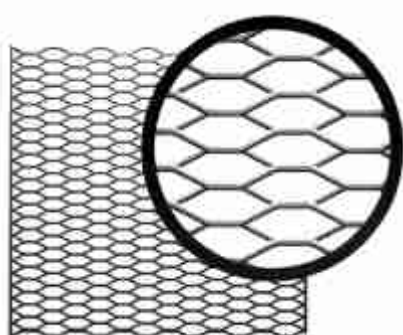
CL



Hexagonal

Hexagonal

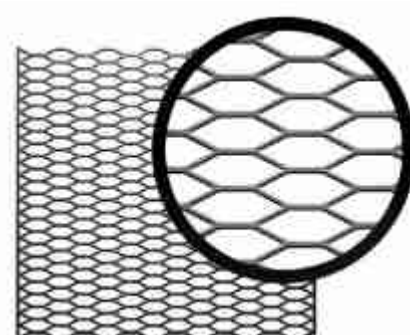
HE



Hexagonal laminado

Hexagonal laminated

HEL

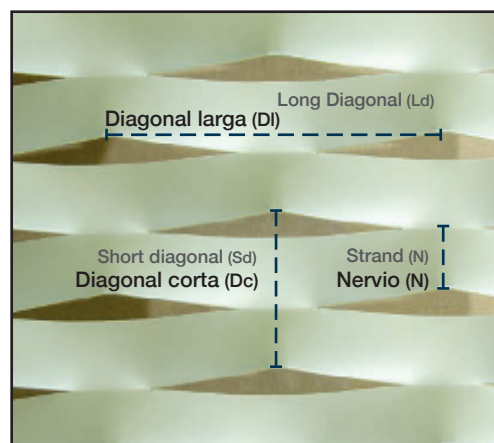


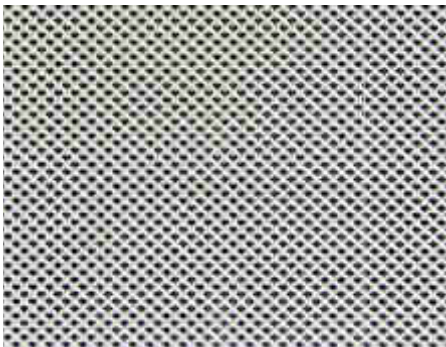
Fórmulas de cálculo

Factor de expansión (Ef) Lo que estira la malla = $Dc/(2 \times N)$
Área abierta Ao(%) = $[1 - (1/Ef)] \times 100$
Peso/m² = $[Espesor (mm) \times densidad (kg/dm^3)] / Ef$

Formulas calculations

Expansion factor (Ef) What the mesh expands = $Sd/(2 \times N)$
Open area Ao(%) = $[1 - (1/Ef)] \times 100$
Weight/m² = $[Thickness (mm) \times density (kg/dm^3)] / Ef$

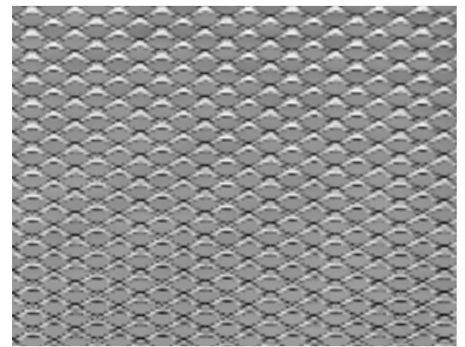




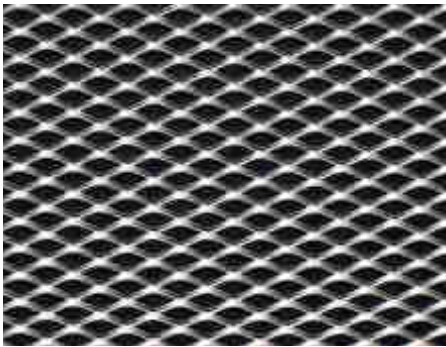
▷ RO 6



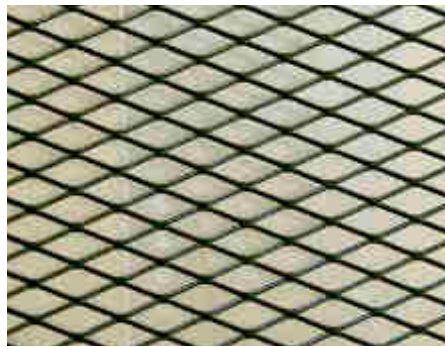
▷ RO 10



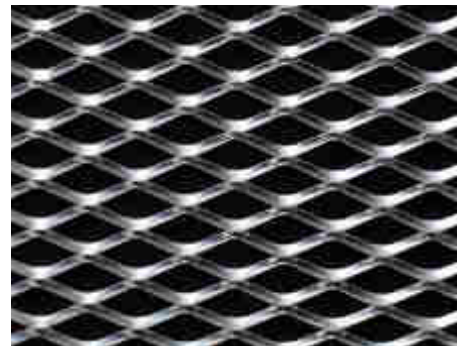
▷ RO 16



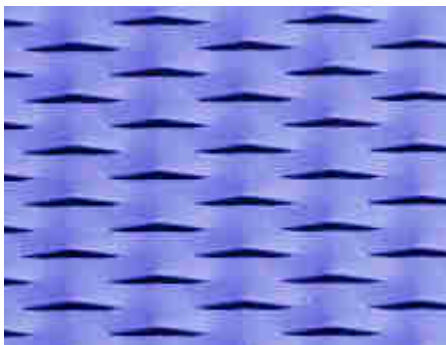
▷ RO 20



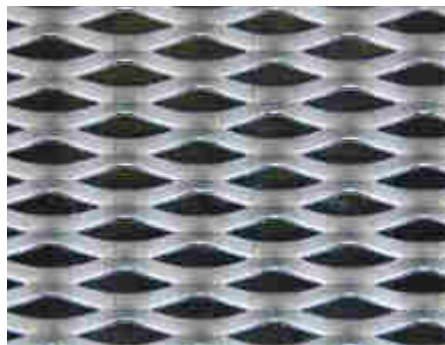
▷ RO 30



▷ RO 40



▷ RO 42



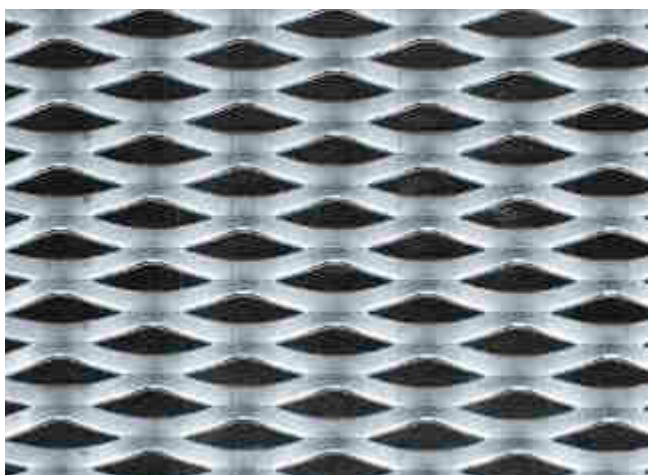
▷ RO 44



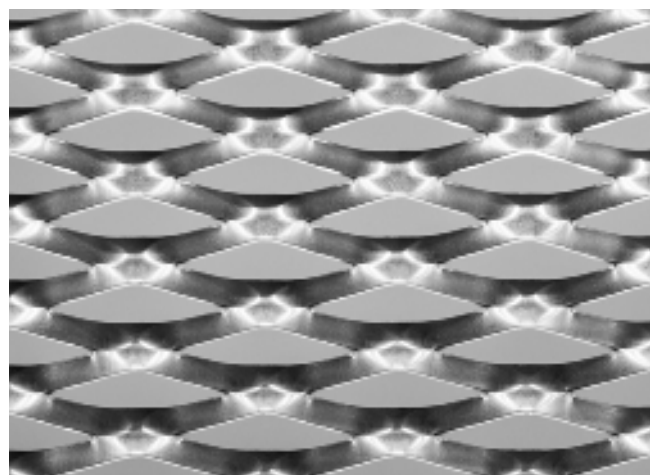
Bandeja panal ▷ Honeycomb tray



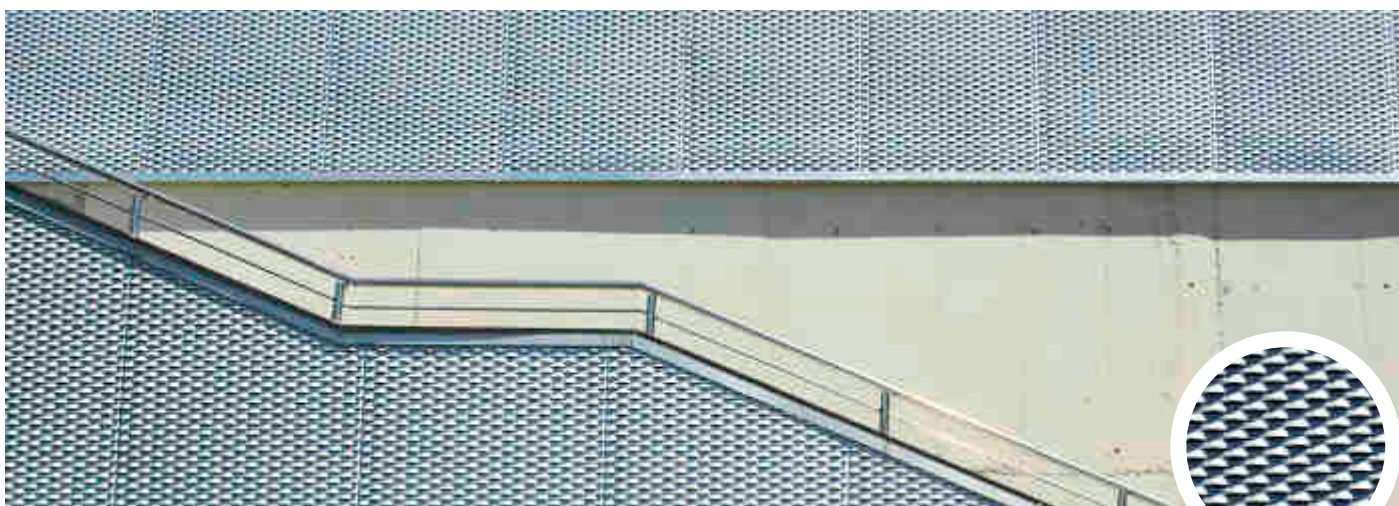
Techos y paredes ▷ Ceilings and walls



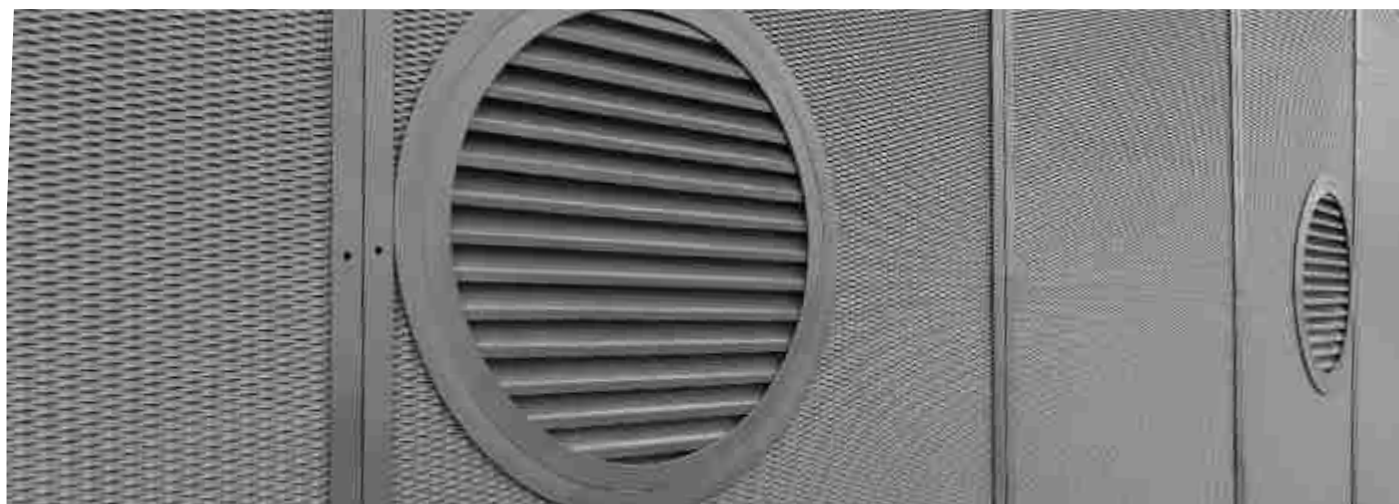
▷ RO 60



▷ RO 100



Ventilación aparcamiento ▷ Parking ventilation



Aislamiento acústico ▷ Acoustic isolation



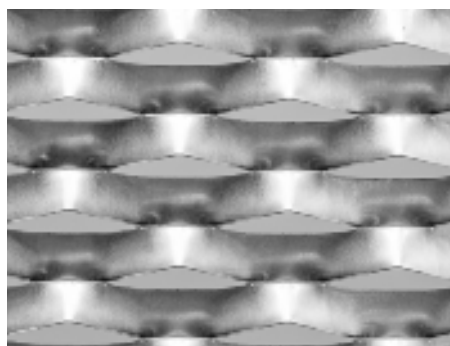
▷ RO 53,5



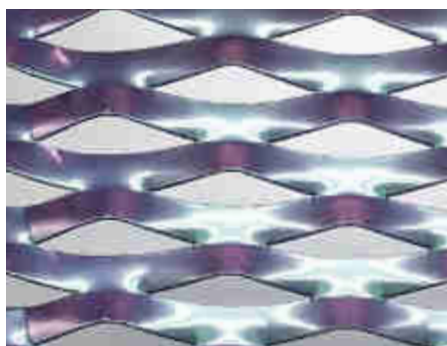
▷ RO 90



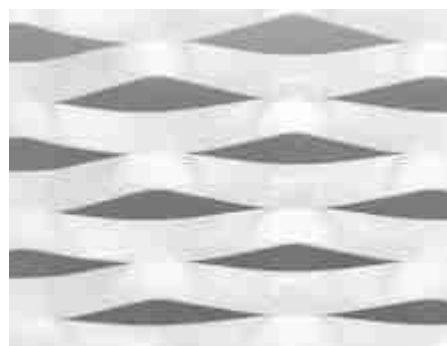
Verja ▷ Fence



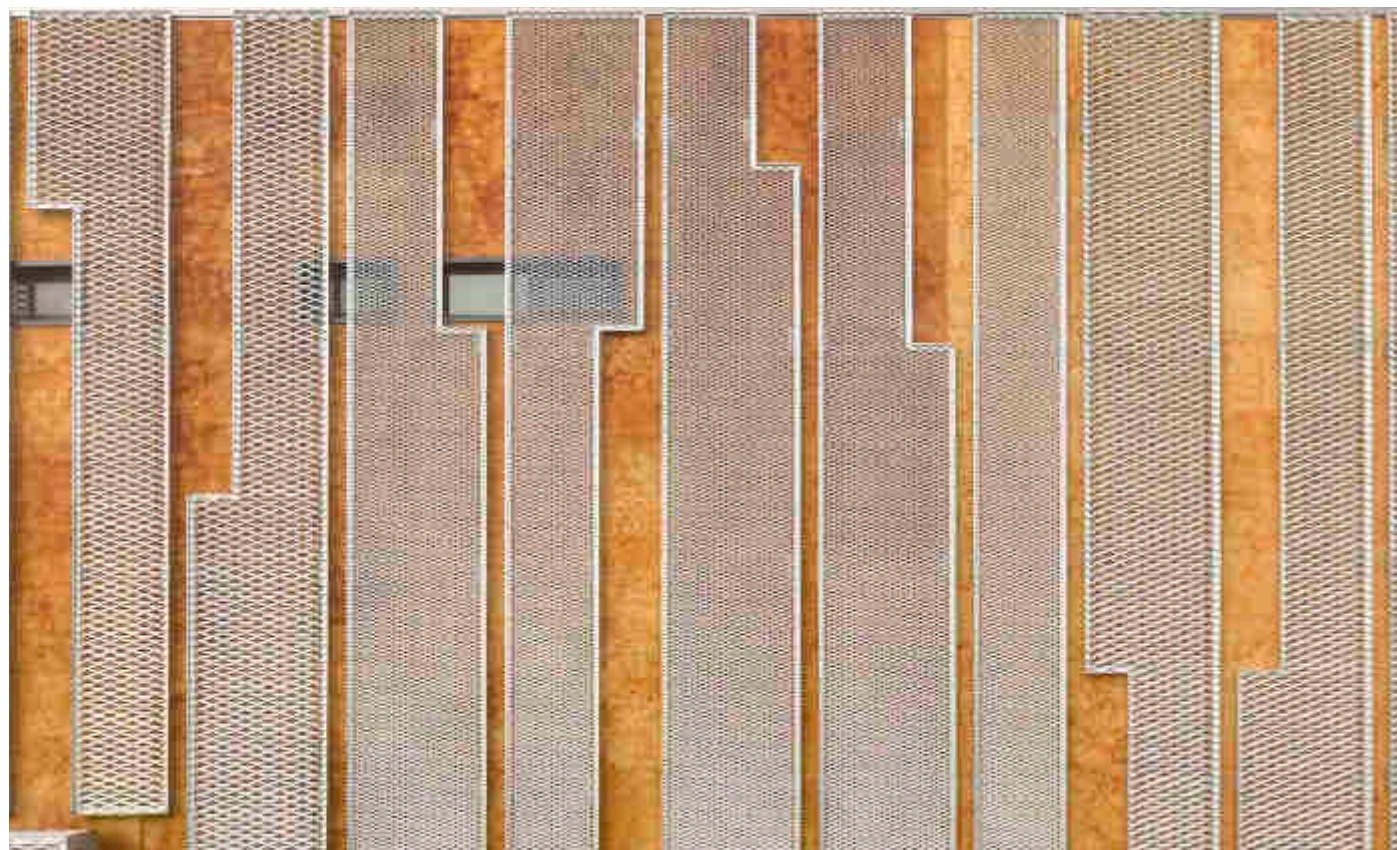
▷ RO 110

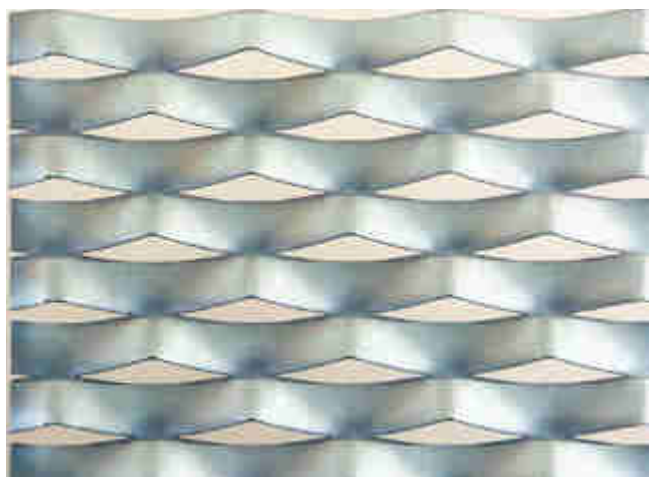
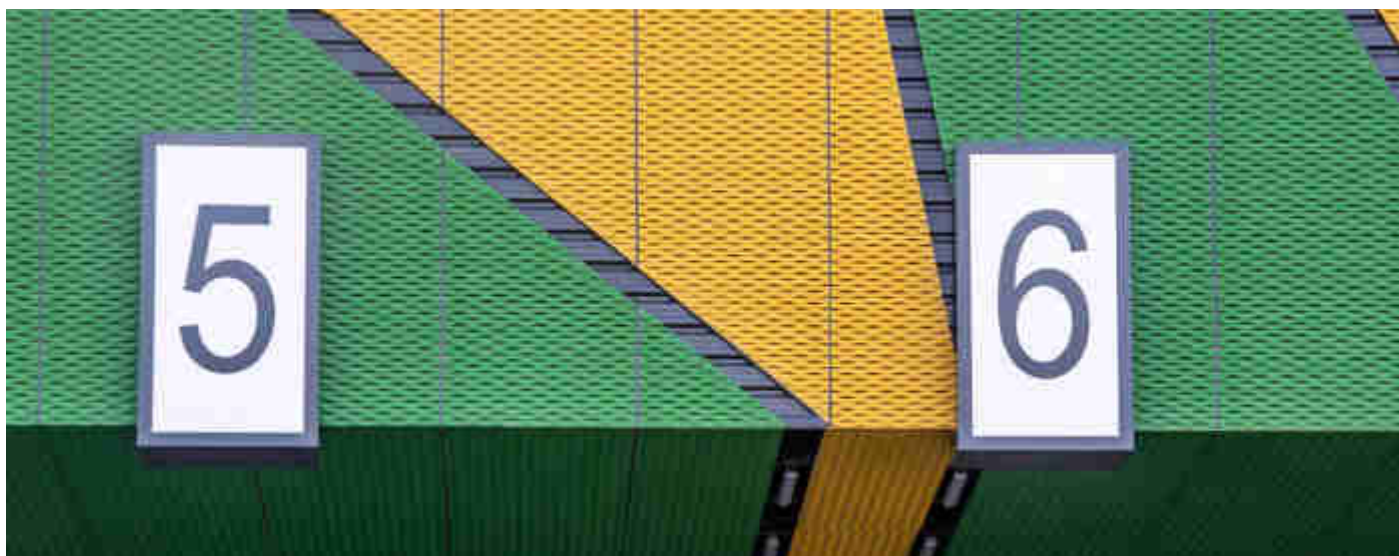


▷ RO 122

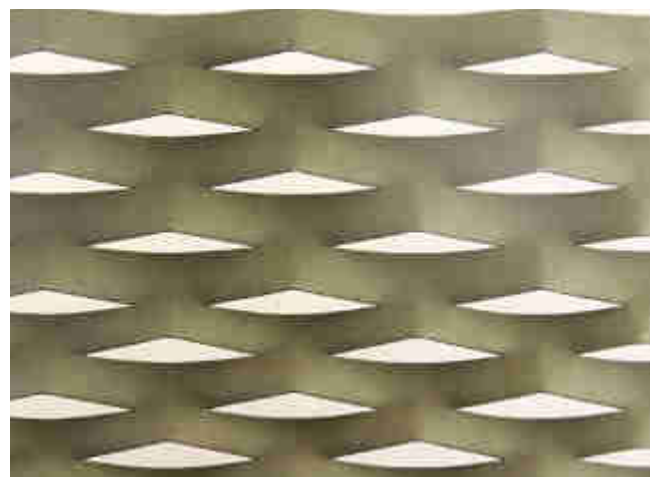


▷ RO 160



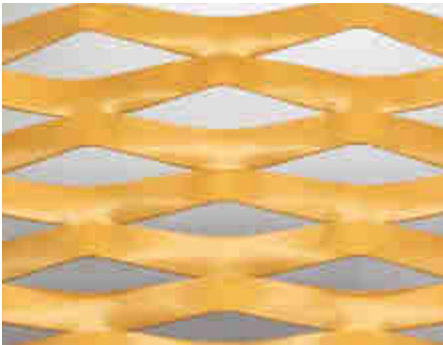


▷ RO 75

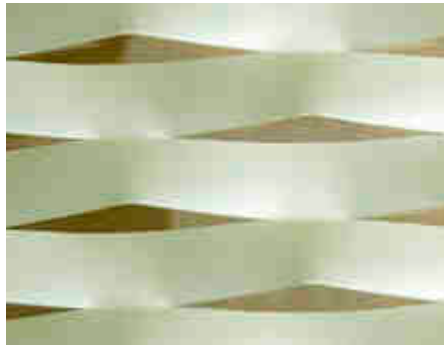


▷ RO 115

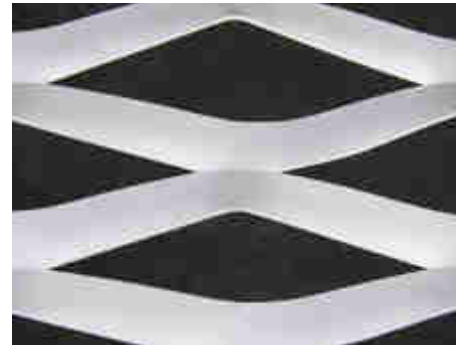




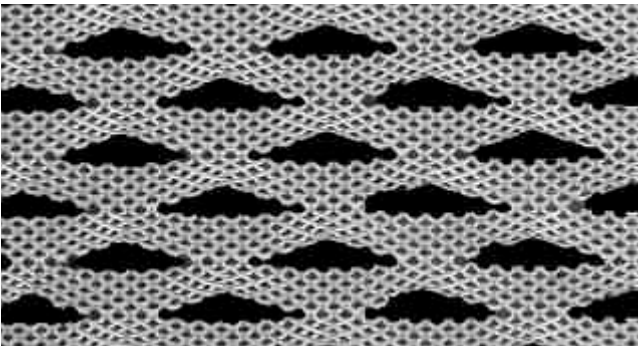
▷ RO 170



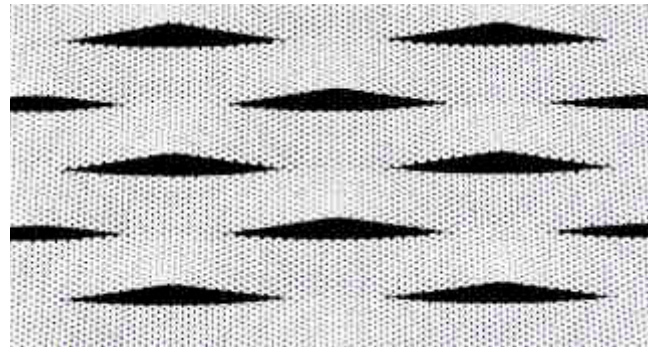
▷ RO 190



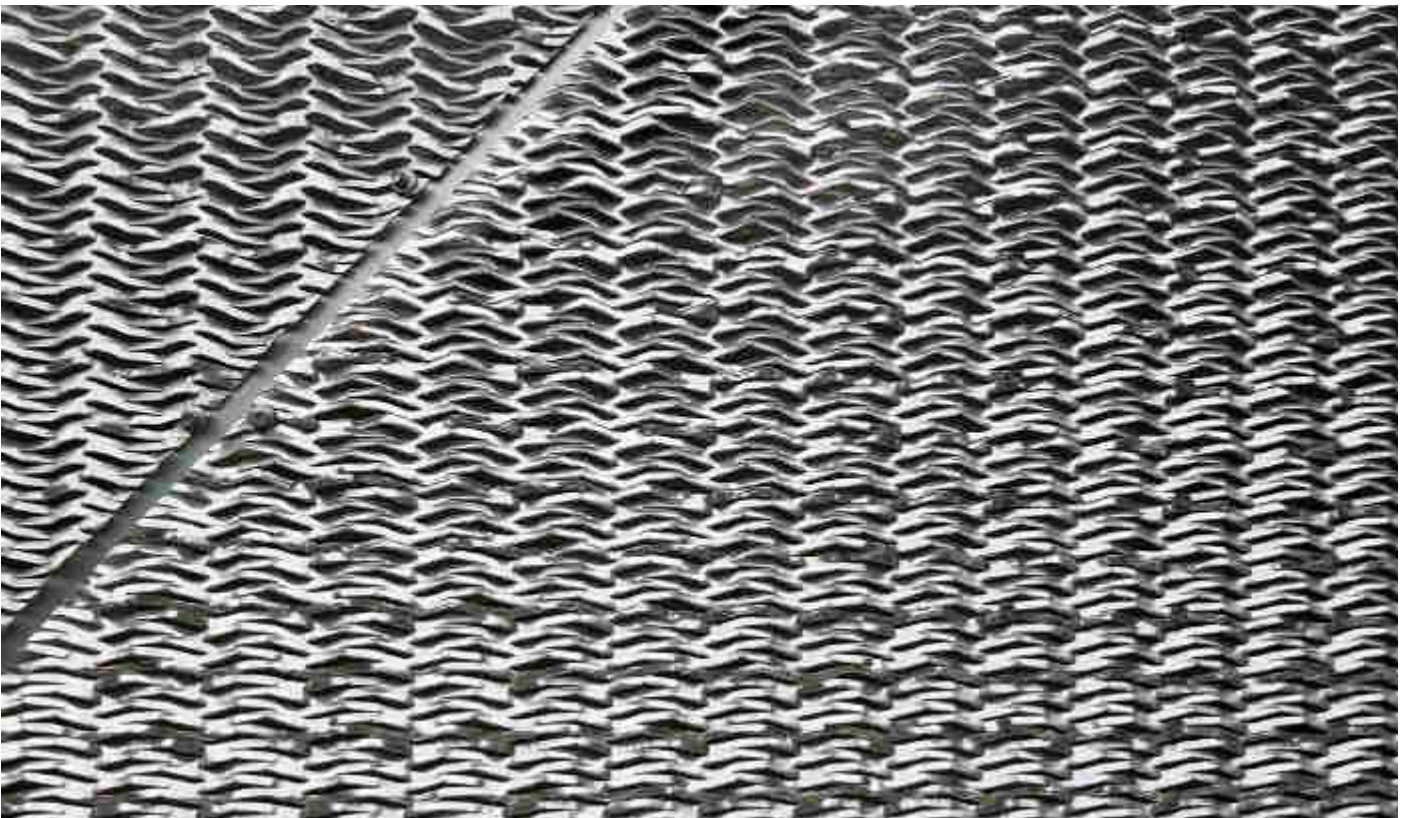
▷ RO 300



▷ EXPANDIDO + EXPANDIDO



▷ PERFORADO + EXPANDIDO



▷ EXPANDIDO DEFORMADO (Pedido mínimo)

Listado de cuchillas

Knife list

Dc = Diagonal corta | Short Diagonal
 DI = Diagonal larga | Long Diagonal
 Anchura = Width
 Perforación = Perforation

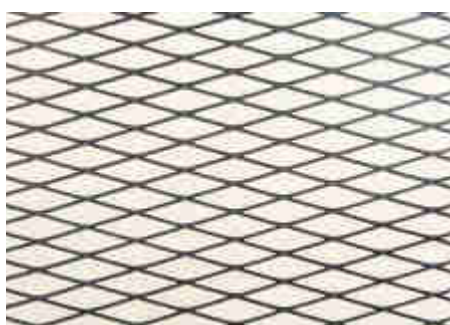
Tipo/Type	DI	Dc	Anchura	Perforación
4,5 x 6	6	4,5	1250	RO
6,5 x 8 RL	8	6,5	1500	RL
5 x 10	10	5	1500	RO
7,3 x 10	10	7,3	1600	RO
7,3 x 10 RL	10	7,3	1600	RL
6 x 16	16	6	1500	RO
8 x 16	16	8	1500	RO
10 x 20	20	10	1500	RO
15,5 x 20	20	15,5	1500	RO
15,5 x 20 RL	20	15,5	1500	RL
10 x 25	25	10	1600	RO
18 x 25	25	18	1600	RO
13 x 30	30	13	1500	RO
15 x 30	30	15	1500	RO
31 x 37,2 CL	37,2	31	1000	CL
14 x 40	40	14	1500	RO
20 x 40	40	20	1500	RO
12 x 42	42	12	2000	RO
12 x 44	44	12	1500	RO
15 x 45 HE	45	15	2000	HE
40 x 50 CL	50	40	1100	CL
20 x 53,5	53,5	20	1500	RO
20 x 60	60	20	1500	RO
23 x 60	60	23	1500	RO
30 x 60	60	30	1500	RO
28 x 62,5	62,5	28	1500	RO
20 x 68	68	20	1500	RO

Tipo/Type	DI	Dc	Anchura	Perforación
28 x 75	75	28	2000	RO
38 x 90	90	38	2000	RO
25 x 100	100	25	2000	RO
42 x 100	100	42	2000	RO
48 x 115	115	48	1600	RO
45 x 115 ROA	115	45	2000	ROA
50 x 115 HE	115	50	1500	HE
35 x 122	122	35	1800	RO
50 x 122	122	50	1800	RO
64 x 152,5	152,5	64	1600	RO
52 x 160	160	52	2000	RO
40 x 170	170	40	1700	RO
60 x 170	170	60	1700	RO
50 x 190	190	50	1600	RO
80 x 190	190	80	1600	RO
75 x 200	200	75	1700	RO
80 x 205	205	80	1800	RO
80 x 205 HE	205	80	1800	HE
80 x 208,5	208,5	80	1900	RO
80 x 209 HE	209	80	1500	HE
40 x 245	245	40	2000	RO
100 x 265	265	100	1400	RO
80 x 274	274	80	2000	RO
50 x 280	280	50	2000	RO
80 x 280	280	80	2000	RO
80 x 290 HE	290	80	1500	HE
100 x 300	300	100	1600	RO

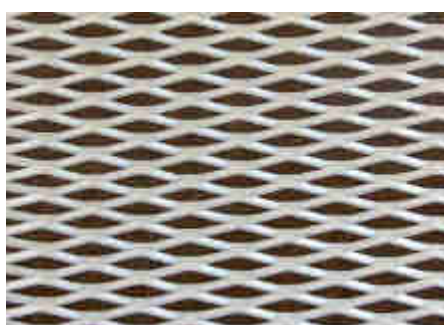
Listado en constante ampliación. Para otros modelos, consulte con nuestro equipo.
 List in constant development. For other models, consult our team.

Ejemplo con la misma cuchilla

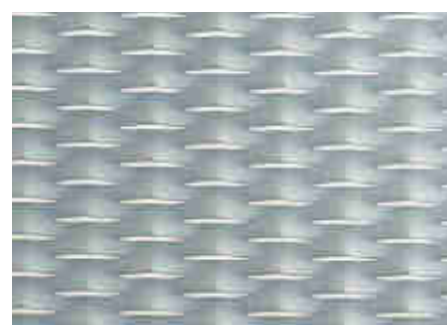
Same knife example



▷ RO 42 x 12 x 2



▷ RO 42 x 12 x 3,75



▷ RO 42 x 12 x 5,5

Mallas más usuales. En formato 1:1

Most common meshes. In 1:1 format

Descargar archivos

Download files

Con cada uno de estos códigos QR puede descargar un documento pdf con la imagen de la malla correspondiente. Para verlo a tamaño real 1:1 solo tiene que imprimirlo.

With each of these QR codes it is possible to download a PDF document with the image of the corresponding mesh. To view in real 1:1 size, it only needs to be printed.



- > RO 6x4,5x1
- > RO 10x7x1
- > RO 16x8x2
- > RO 20x10x2
- > RO 20x15x2,5
- > RO 30x13x1,5



- > RO 30x13x2
- > RO 40x20x3
- > RO 42x10x1,5
- > RO 42x12x3
- > RO 42x12x3,75
- > RO 42x12x5

- > RO 44x14x3,8
- > RO 53,5x18x5
- > RO 60x20x3
- > RO 60x20x6 Crushed
- > RO 60x28x3,5
- > RO 60x30x6



- > RO 62,5x19,3x4
- > RO 62,5x23x9
- > RO 62,5x25x4,5
- > RO 62,5x25x9
- > RO 62,5x30x10
- > RO 75x28x12

- > RO 75x29x14
- > RO 75x29x9,5
- > RO 75x45x20
- > RO 75x47x22
- > RO 90x30x10
- > RO 110x49x15



- > RO 110x52x21
- > RO 110x54x24
- > RO 110x56x24
- > RO 115x40x14
- > RO 115x40x3
- > RO 115x42x10

- > RO 115x52x24
- > RO 120x46x12
- > RO 122x34x10
- > RO 122x40x15
- > RO 122x47x18
- > RO 122x48x19



- > RO 122x55x25
- > RO 152,5x66x24
- > RO 160x43x14 35%
- > RO 160x47x14
- > RO 160x50x15
- > RO 160x52,5x20

- > RO 190x72x30
- > RO 190x72x30 +R3T5
- > RO 190x72x30 +R6T12
- > RO 190x76x35 +R3T5
- > RO 190x80x30 25%
- > RO 190x84x24
- > RO 200x70x20
- > RO 205x72x20



- > HE 205x75x20
- > HE 205x75x24
- > RO 208,5x80x20
- > RO 208,5x86x26
- > RO 245x38x15
- > RO 280x80x24
- > RO 280x81x30



03

Perforado
Perforated

Disposición de las perforaciones

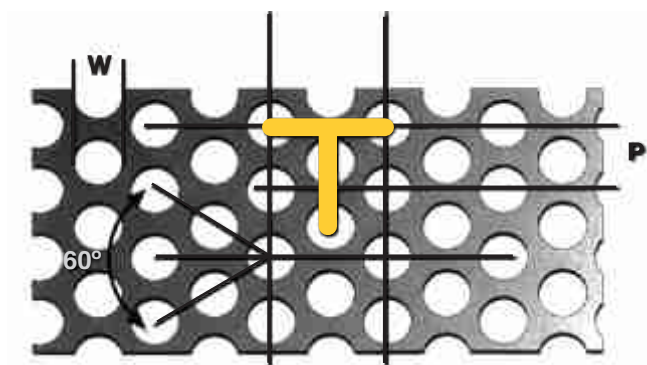
Perforation patterns

Es importante tener en cuenta el tipo de disposición especialmente cuando la aplicación requiere la máxima área perforada con el mínimo debilitamiento de la consistencia de la chapa, en cuyo caso aconsejamos la disposición en tresbolillo.

Significant consideration to the type of pattern is needed when the target application requires maximum perforated area and minimal weakening of the sheet strength. In such cases triangular 60° staggered pattern is recommended.

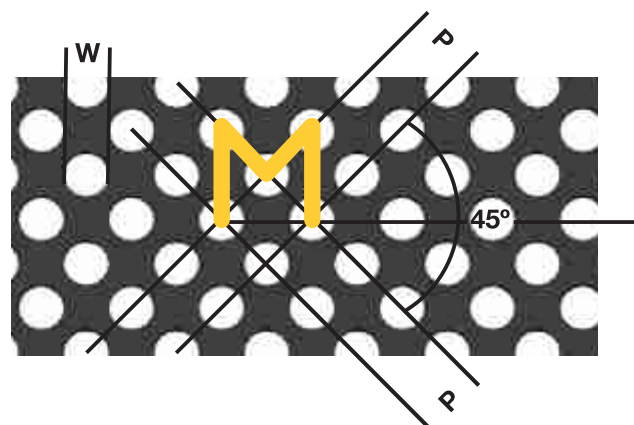
RW TP

Tresbolillo 60° (T)
60° Staggered (T)



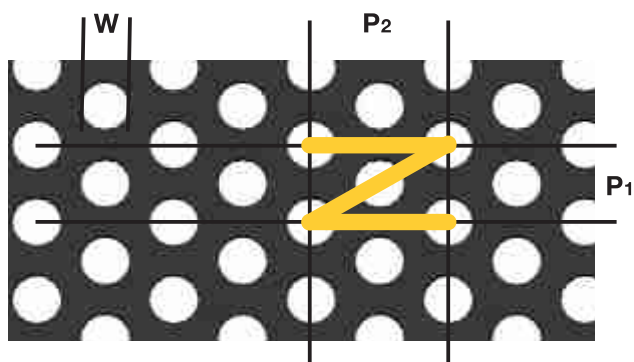
RW MP

Alterno 45° (M)
45° Staggered (M)



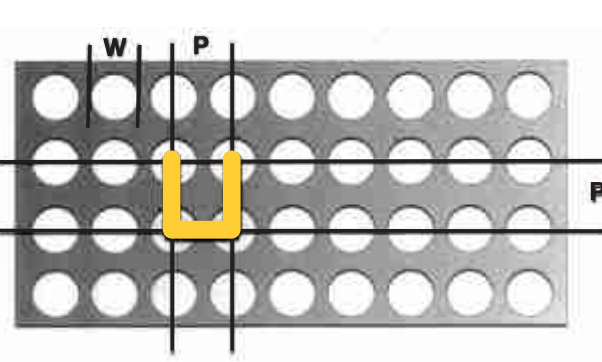
RW Z P1 x P2

Alterno (Z)
Staggered Pattern (Z)



RW UP 2

Paralelas (U)
Rectangular Pattern (U)



Características generales

General features

Materiales Materials

Hierro • Galvanizado • Corten • Inoxidable
• Aluminio • Cobre • Latón • Laminado en
frío • Laminado en caliente • Decapado •
Prelacado • Electrocinado • etc.

Steel • Galvanized Steel • Cor-ten • Stainless
Steel • Aluminium • Copper • Brass • Cold-
Rolled Steel • Hot-Rolled Steel • Pickled steel
• Pre-lacquered • Zinc-electroplated steel •
etc.

Formatos Formats

Espesores hasta 15 mm, diámetros de
perforación según sus necesidades y
dimensiones hasta 6.000 x 2.000 mm.

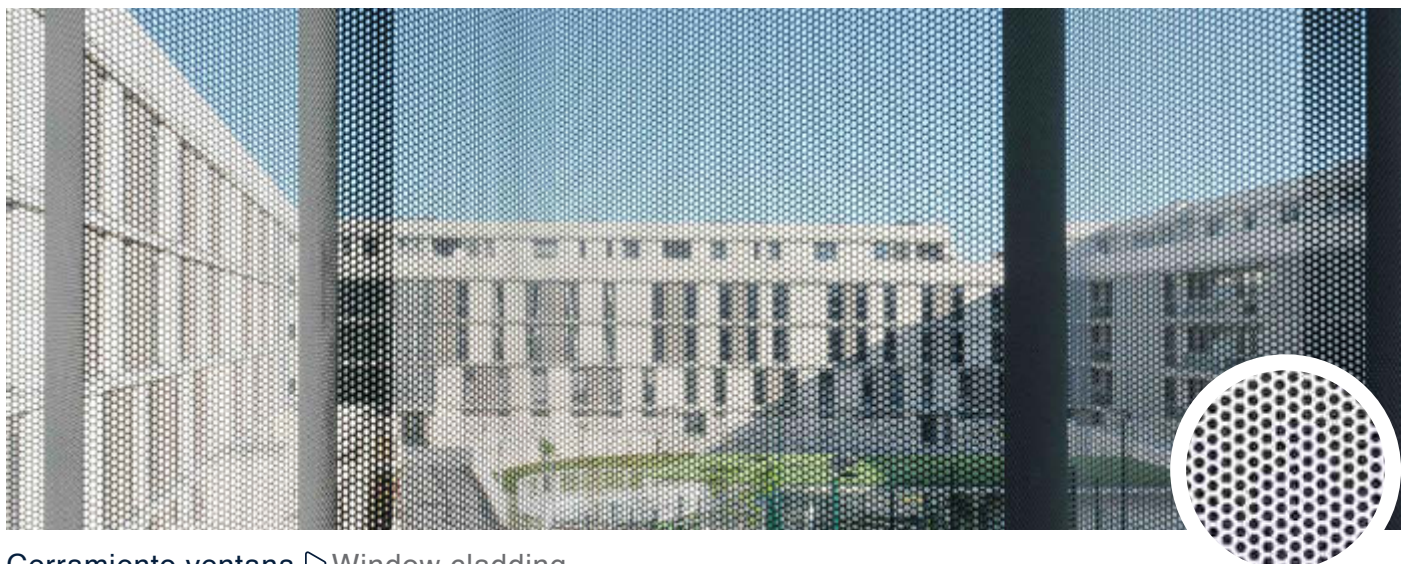
Thicknesses up to 15 mm, hole diameters
as per requirements, and dimensions up to
6,000 x 2,000 mm.

Área Perforada (A_0)

Perforated area (A_0)

Además de su función estética, en ciertas
aplicaciones como en filtros, cribas,
ventilación, acústica, paso de aire/calor/
luz, etc., el área perforada es fundamental.
Incluimos las fórmulas de cálculo en cada
tipo de perforación a continuación.

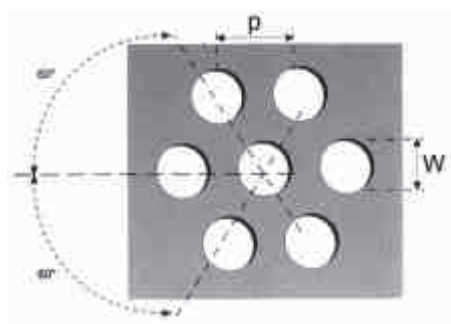
Beyond aesthetics, the perforated area
is essential in many applications such
as filters, screens, ventilation systems,
acoustics, air/heat/light pass through, etc.
Calculation formulas are shown in the types
of perforation that we include next.



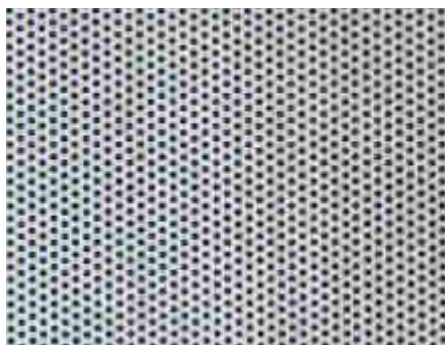
Cerramiento ventana ▷ Window cladding

Redondo Tresbolillo 60° T

60° Staggered Round T



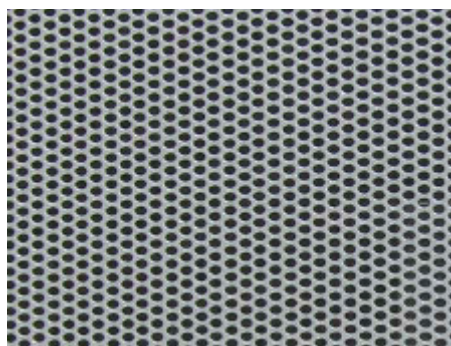
$$A_0 = \frac{90,7 \times W^2}{p^2}$$



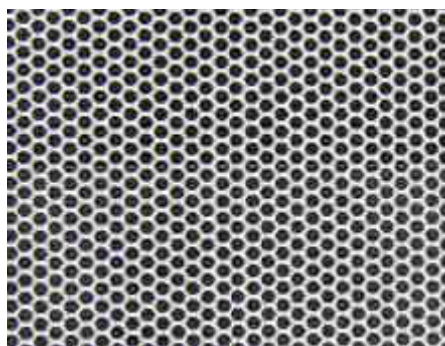
▷ R 1,2



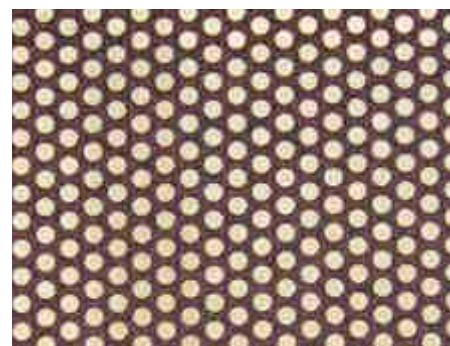
▷ R 1,5



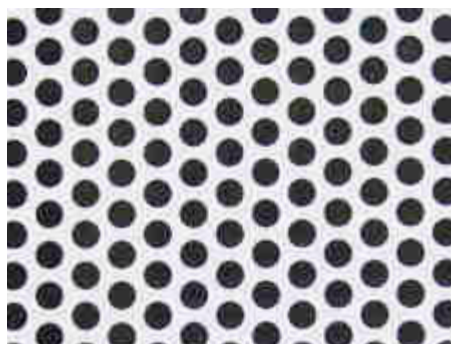
▷ R 3



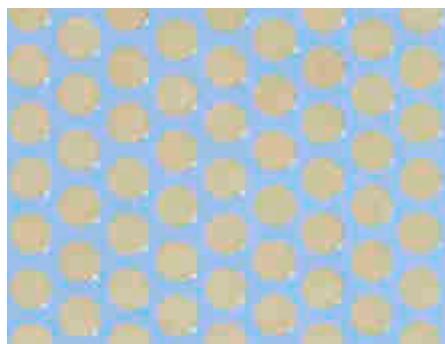
▷ R 4



▷ R 5



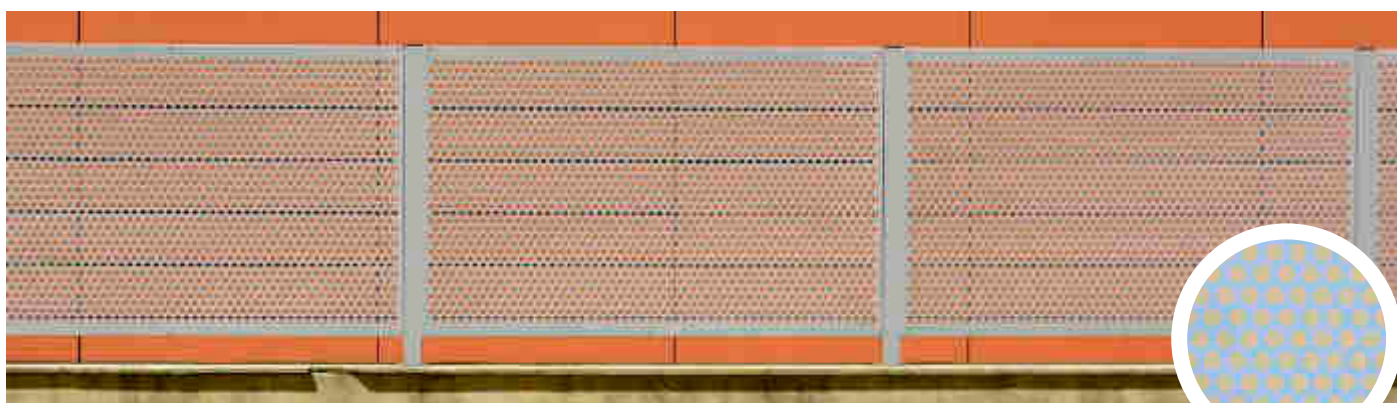
▷ R 6,5



▷ R 7



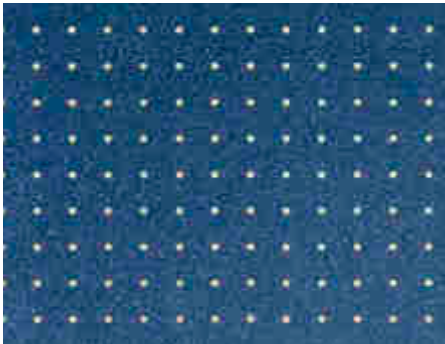
▷ R 20



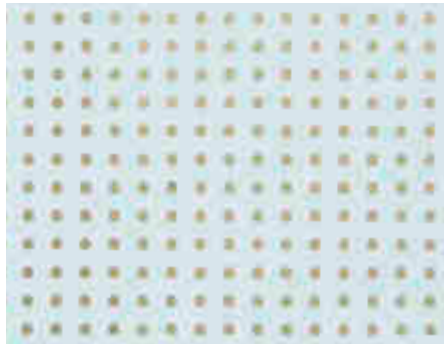
Verja ▷ Fence

Redondo Paralelo 90° U

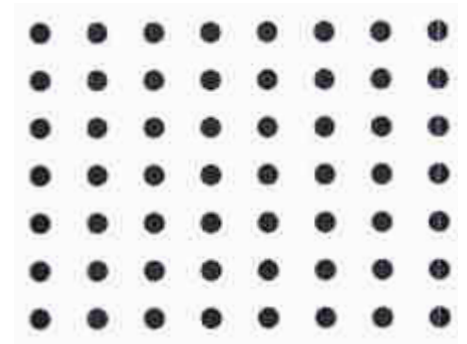
90° Round Parallel U



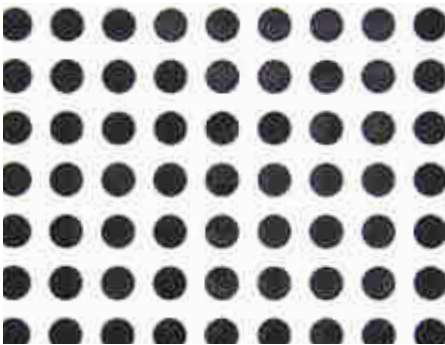
▷ R 1,5



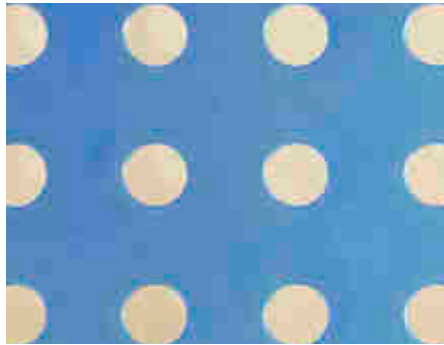
▷ R 2



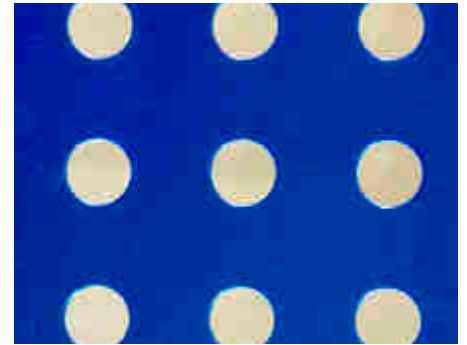
▷ R 6



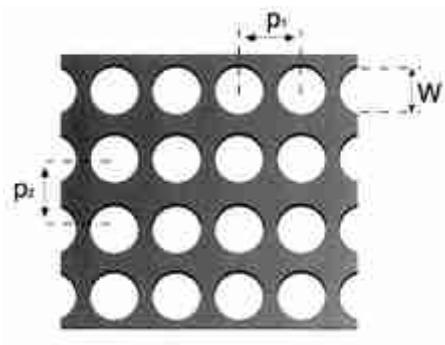
▷ R 10



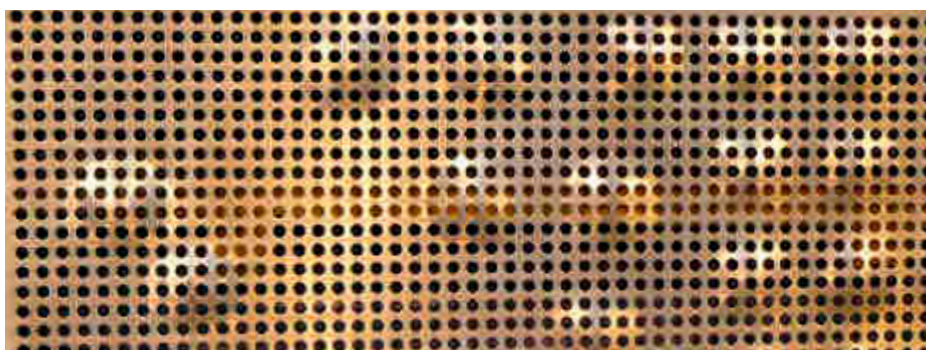
▷ R 18



▷ R 20



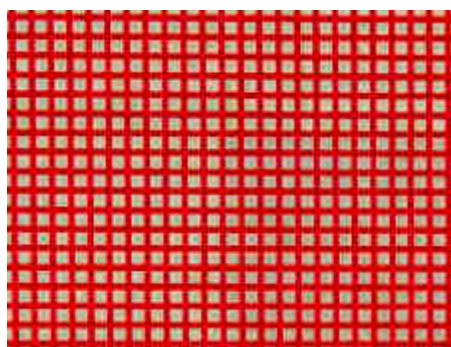
$$A_0 = \frac{78,5 \times W^2}{p_1 \times p_2}$$



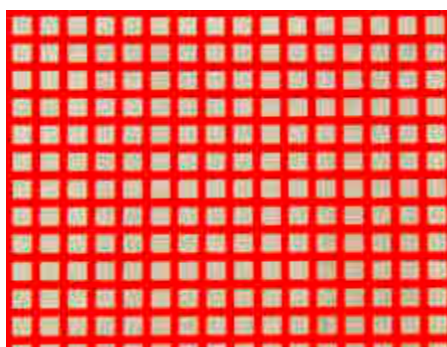
Iluminación oculta ▷ Hidden lighting

Cuadrado Paralelo U

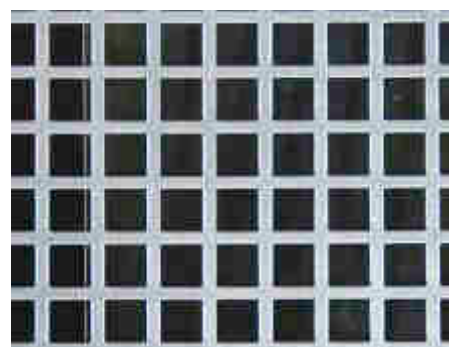
Square Parallel U



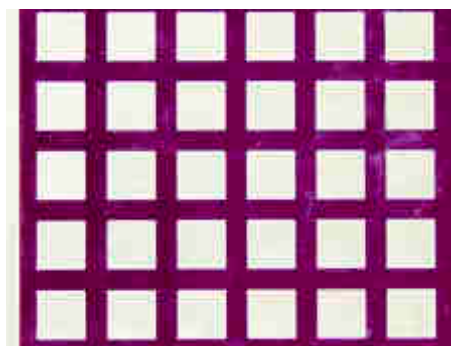
▷ C 4



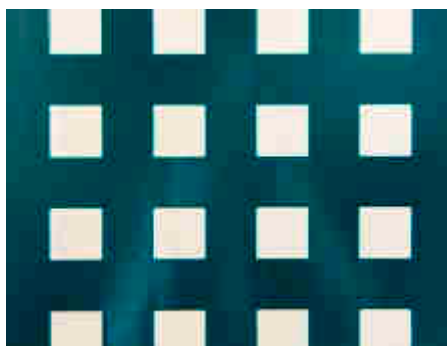
▷ C 5



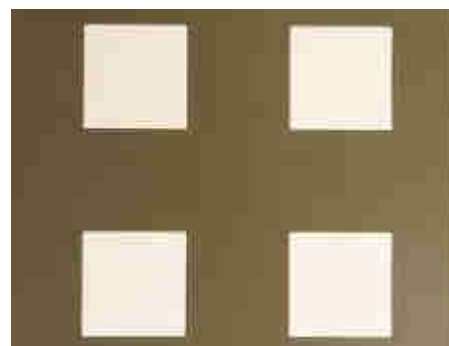
▷ C 10



▷ C 18



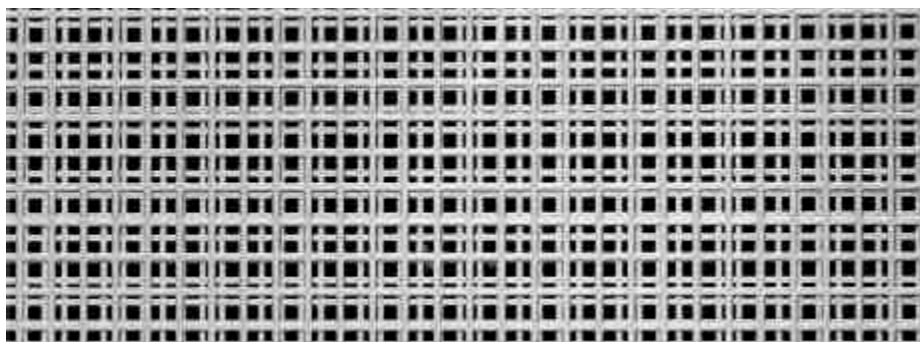
▷ C 20



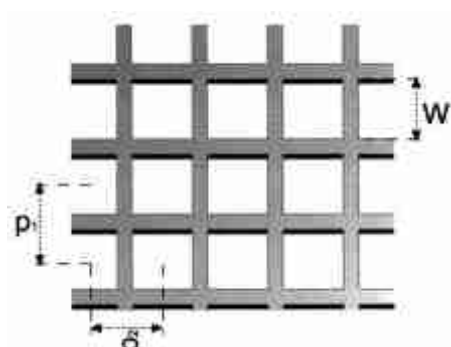
▷ C 40



▷ D 1000



Techo ▷ Ceiling

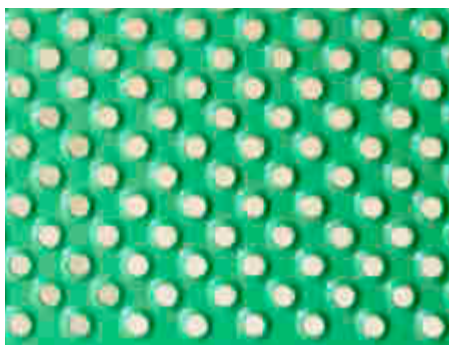


$$A_0 = \frac{100 \times W^2}{p_1 \times p_2}$$

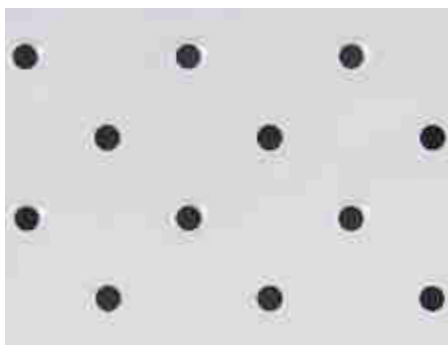


Perforado Abocardado

Perforated & embossed



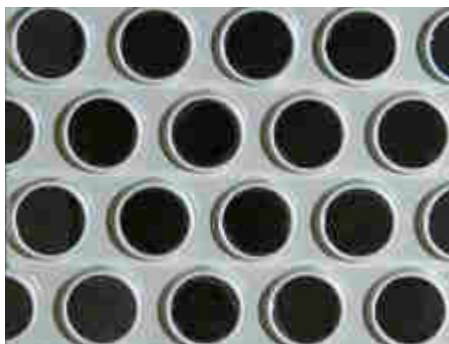
▷ RAS 7



▷ RAS 8 + R 8



▷ RAS 15 + R 15



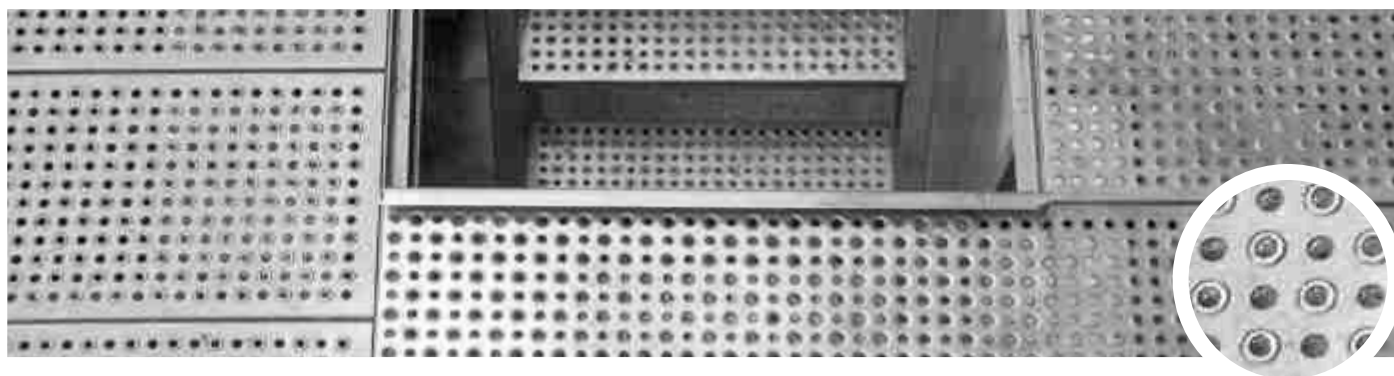
▷ RAS 20



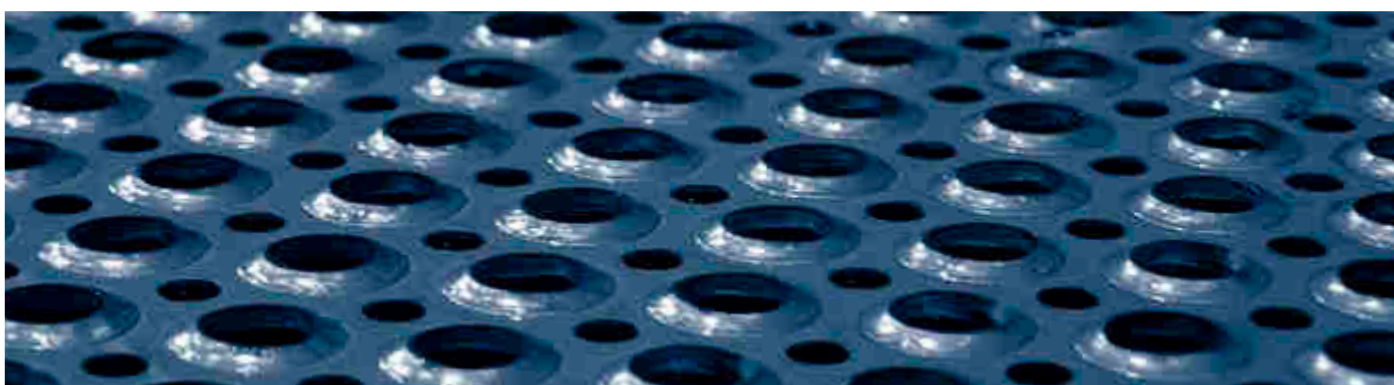
▷ CAMIONES ▷ TRUCKS



▷ Escalera ▷ Stairs

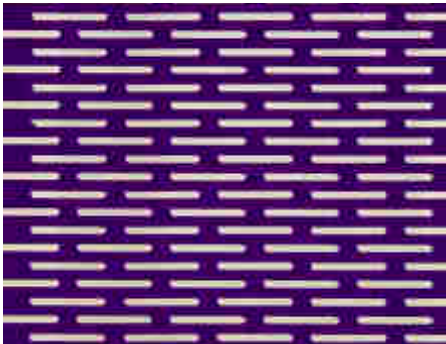


Perforado Abocardado - Antideslizante ▷ Perforated & Embossed - Non-slip floor

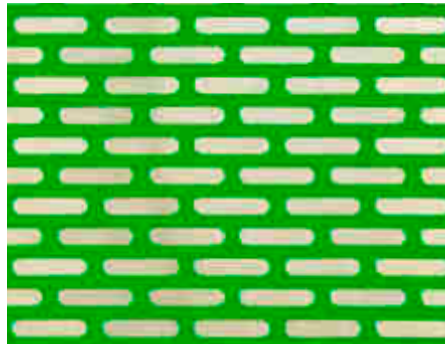


Largo Redondeado

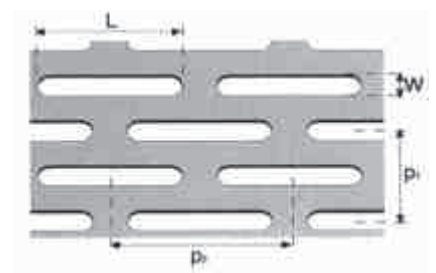
Round end Slots



▷ LR 20 X 2



▷ LR 20 X 4

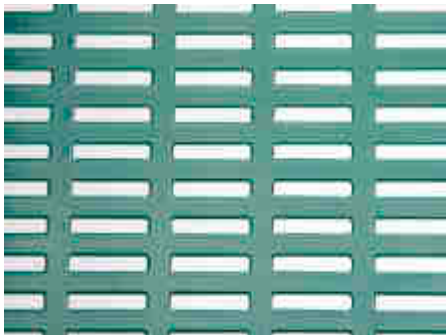


$$A_0 = \frac{200 \times W \times L - 43W^2}{p_1 \times p_2}$$

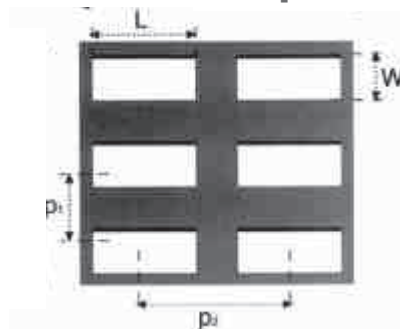


Largo Cuadrado

Square end Slots



▷ LC 4 X 20

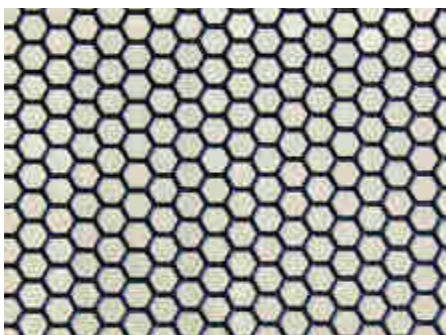


$$A_0 = \frac{100 \times W \times L}{p_1 \times p_2}$$

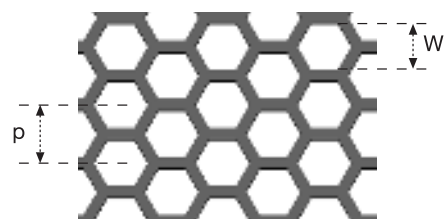


Perforado Hexagonal

Hexagonal perforation



▷ HEX 6,5



$$A_0 = 100 \frac{W^2}{p^2}$$



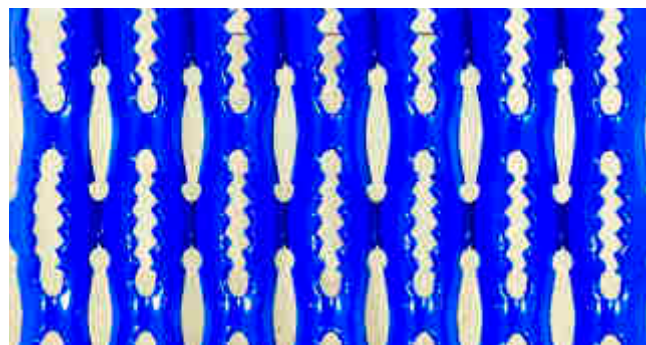
▷ HEX

Aplicaciones Especiales

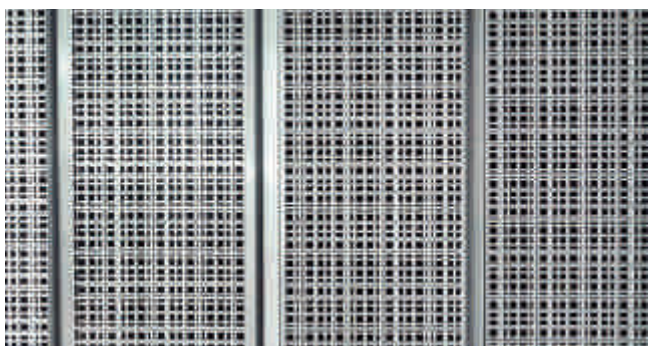
Special Applications



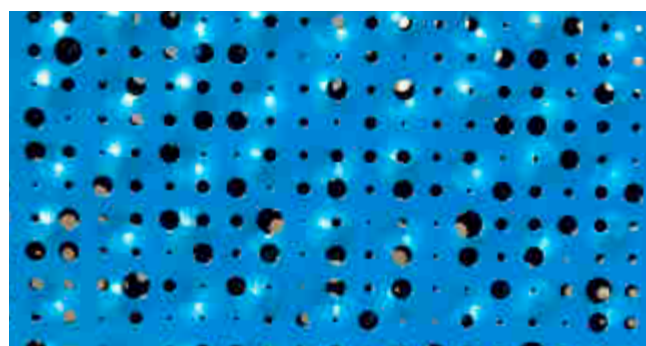
▷ RASPA



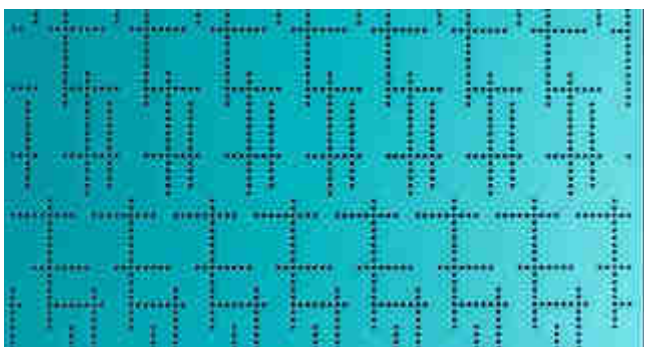
▷ IMARBLOCK



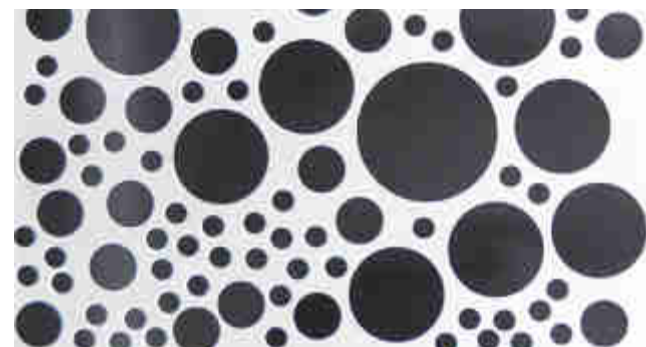
▷ ESTRATOS



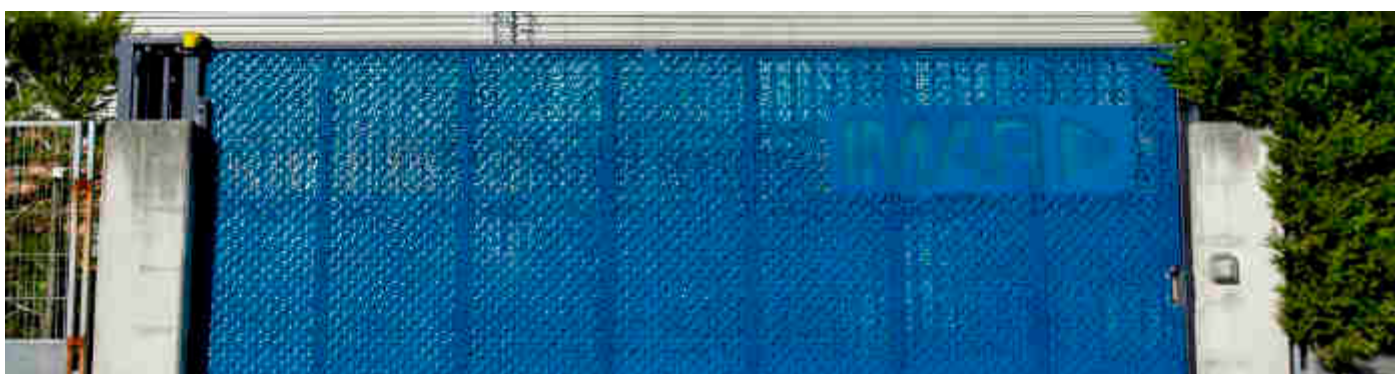
▷ SPLASH



▷ MATRIX



▷ BURBUJAS



Splash - Puerta Antivandática ▷ Vandal-proof door



▷ PIXEL



▷ IMAGEN FIGURATIVA / Figurative Image



▷ IMAGEN PATRÓN / Pattern Image



▷ TEXTO & LOGO / Text & Logo



Pixel - Estanterías Industriales ▷ Industrial Shelving



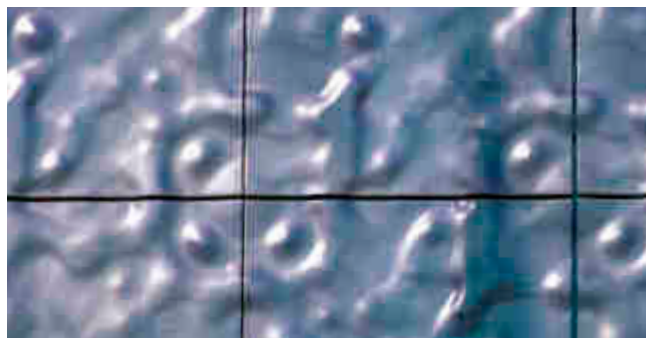
Imagen Figurativa - Fachada Ventilada ▷ Ventilated facade

Aplicaciones Especiales

Special Applications



▷ MOTION



▷ AQUA



▷ GALAXIA



▷ SNOW



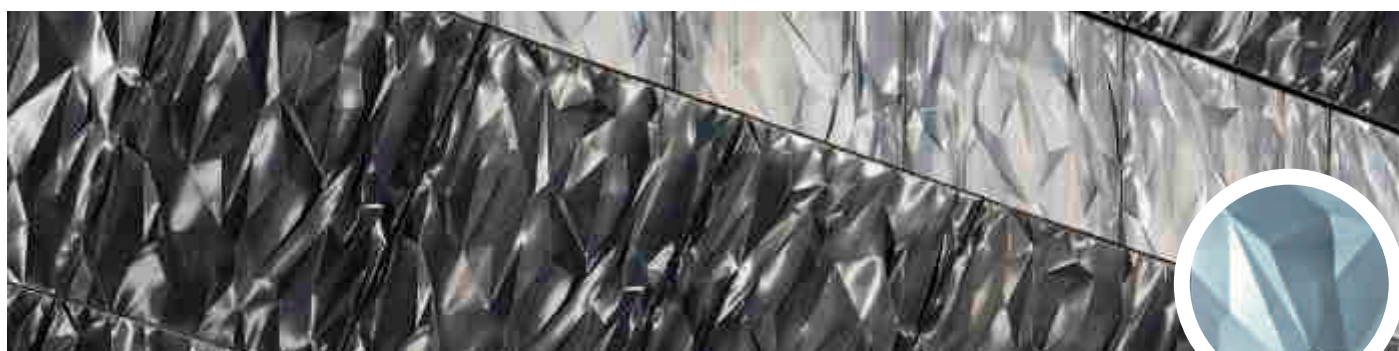
Perf + Expand - Sombreamiento ▷ Shading



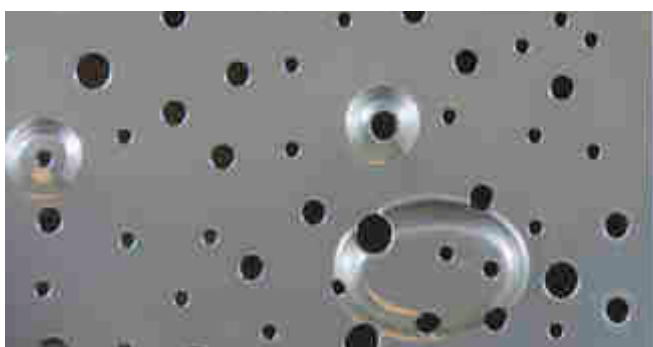
Aqua - Techos ▷ Ceilings



Aqua - Paredes y Techos ▷ Walls and Ceilings



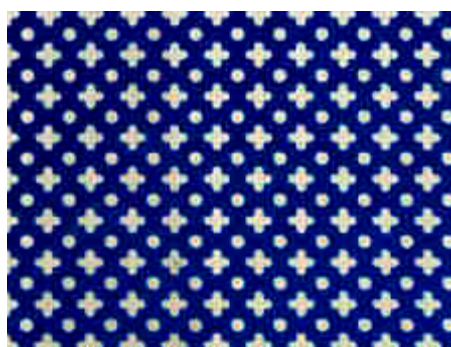
Motion - Fachada ▷ Cladding



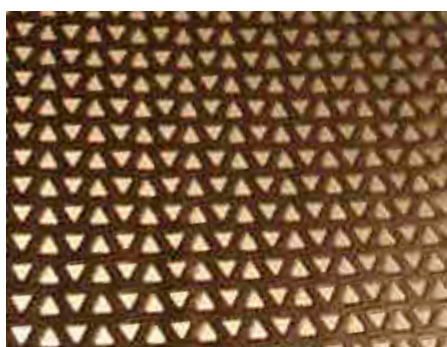
▷ PERFORADO + ESTAMPADO



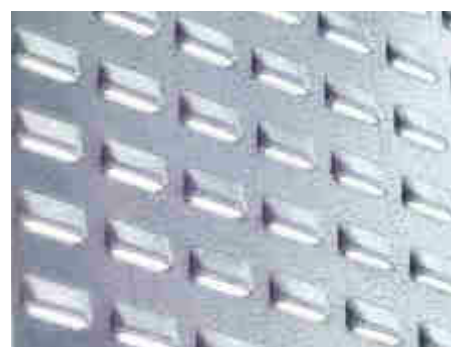
▷ PUENTECILLO



▷ DECORATIVA



▷ TRIANGULO



▷ PERSIANA

Aplicaciones Estampadas

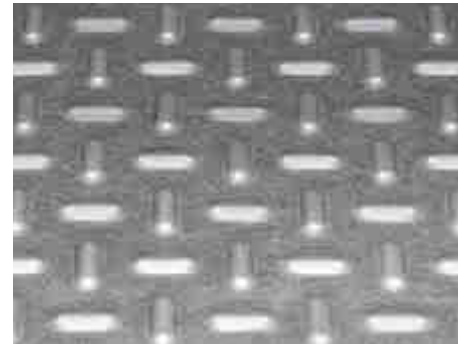
Embossed Applications



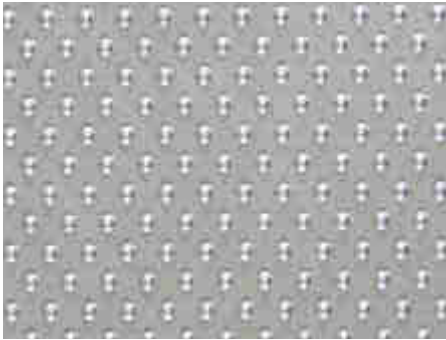
▷ L2



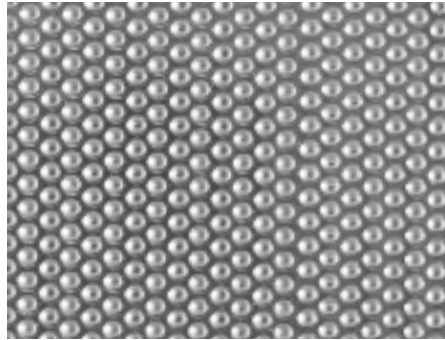
▷ L6



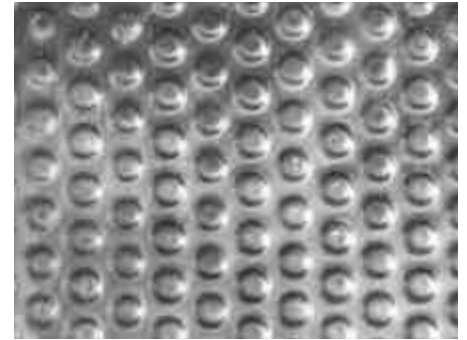
▷ LRE8x22 - LRE12x30



▷ RE 3



▷ RE 3,5



▷ RE 6



Estampado - Cerramiento ▷ Embossed - Cladding



Estampado - Cocina ▷ Embossed - Kitchen



▷ PDE 7



▷ PDED 20



▷ PDE 14



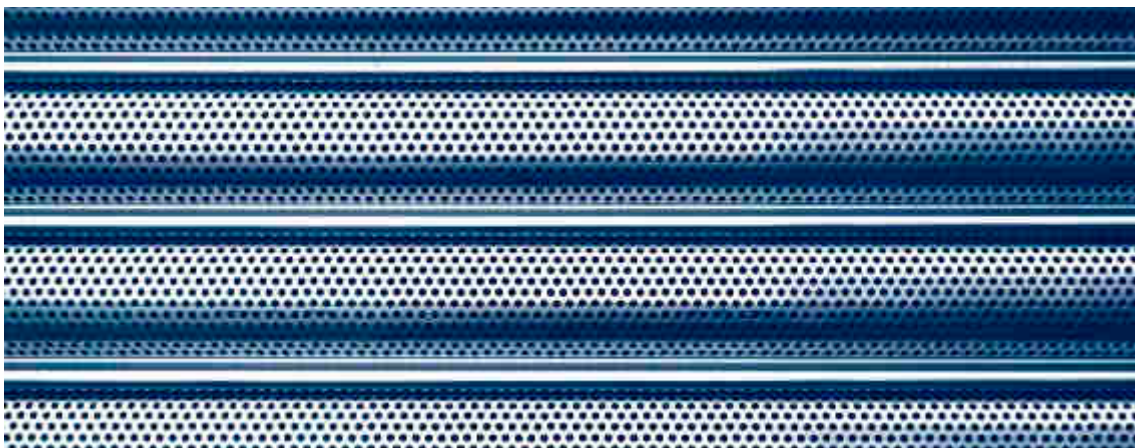
▷ ROE 10x20

Principales aplicaciones

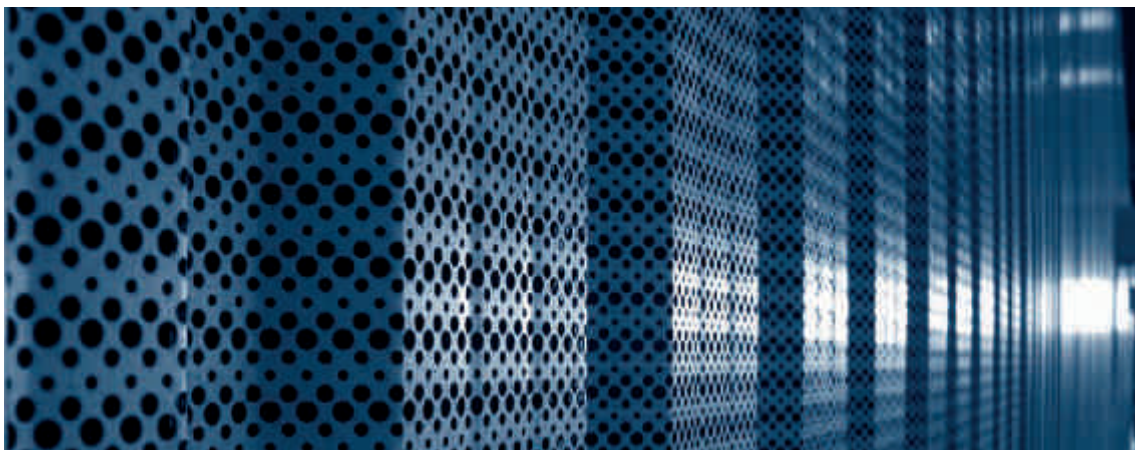
Main applications



> **TECHOS** > CEILINGS



> **PERSIANAS** > BLINDS



> **ACÚSTICA** > ACOUSTICS



> **PANADERÍA** > BAKERY



> **FERROCARRIL** > RAILWAY



> **FILTROS** > FILTERS

Datos Técnicos

Technical data

REDONDOS (R) AL TRESBOLILLO 60° (T)
ROUNDS (R) 60° TRIANGULAR PITCH (T)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	Thickness - Espesor →													
	0,5	0,8	1	1,5	2	2,5	3	4	5	6	7	8	9	10
1	2 23%	2 23%	2 23%											
1,2		2,3 24,7%	2,3 24,7%											
1,3	2,25 30%	2,25 30%	2,25 30%											
1,5	3 23%	3 23%	3 23%	3 23%										
1,8		3 33%	3 33%	5 12%	5 12%									
2	3 40%	3 40%	3 40%	3 40%	3 40%									
2	3,33 33%	3,33 33%	3,33 33%	3,33 33%	3,33 33%									
2	3,5 30%	3,5 30%	3,5 30%											
2	4 23%	4 23%	4 23%	4 23%	4 23%									
2,5	3,5 46%	3,5 46%	3,5 46%	3,5 46%	3,5 46%	3,5 46%								
2,5	4 35%	4 35%	4 35%	4 35%	4 35%	4 35%								
2,5	4,5 28%	4,5 28%	4,5 28%	4,5 28%	4,5 28%									
2,5		5 23%	5 23%	5 23%	5 23%	5 23%								
2,75		4 43%	4 43%											
3	4 51%	4 51%	4 51%	4 51%	4 51%	4 51%	4 51%							
3					4,75 36%	4,75 36%	4,75 36%							
3	5 33%	5 33%	5 33%	5 33%	5 33%	5 33%	5 33%							
3				5,5 27%	5,5 27%									
3	6 23%	6 23%	6 23%	6 23%	6 23%	6 23%	6 23%							
3,5	6 31%	6 31%	6 31%	6 31%	6 31%	6 31%	6 31%							
3,5					6,25 28,4%	6,25 28,4%	6,25 28,4%							
4	5 58%	5 58%	5 58%	5 58%	5 58%	5 58%	5 58%							
4		5,75 44%	5,75 44%			5,75 44%	5,75 44%							
4	6 40,3%	6 40,3%	6 40,3%	6 40,3%	6 40,3%	6 40,3%	6 40,3%	6 40,3%						
4	6,5 34,3%	6,5 34,3%	6,5 34,3%	6,5 34,3%	6,5 34,3%	6,5 34,3%	6,5 34,3%	6,5 34,3%						
4			7 29,6%	7 29,6%	7 29,6%	7 29,6%	7 29,6%	7 29,6%						
4,5		6 51%	6 51%			6 51%	6 51%	6 51%						
5		6 63%	6 63%	6 63%	6 63%									
5		6,5 54%	6,5 54%			6,5 54%	6,5 54%							

01

Este catálogo presenta los modelos más habituales. Consultar otras configuraciones con nuestra Oficina Técnica.

This catalog presents the most common models. For other patterns, consult our technical department.

Size - Medida	Thickness - Espesor →													
	0,5	0,8	1	1,5	2	2,5	3	4	5	6	7	8	9	10
5	5	7	7	7	7	7	7	7						
5	7,5	7,5	7,5	7,5	7,5	7,5	7,5							
5	8	8	8	8	8	8	8	8	8					
5				8,5	8,5	8,5	8,5	8,5						
5		9	9	9	9	9	9	9	9					
5				10	10	10	10	10	10					
6	9	9	9	9	9	9	9	9	9					
6			10	10	10	10	10	10	10	10				
6,5		7,9	7,9											
7			9	9	9									
7	10	10	10	10	10	10	10	10	10					
7				12		11	11	12	12	12	12			
8	11	11	11	11	11	11	11							
8				12	12	12	12	12	15	15	15	15		
9		13	13	12,5	12,5									
10	14	14	14	14	14	14	14	14	15	15	15	15	18	18
12		16	16	16	16	16	16	16	16	16	18			
12				18	18	18	18	18	18	18	18	18	22	22
14					20	20	20	20	20	20	20	20	20	
15		20	20	20	20	20	20	20						
15				22	22	22	22	22	22	22	22	22	22	22
16				20	20	20	19				20	20		
18		23	23	23	23	23	23	26	26	26	26	26	26	26
20	27			27	27	27	27	27	27					
20	30	30	30	30	30	30	30	30	30	30	30	30		
25			34,5	34,5	34	34	34	34	34	34	34	34	34	34
30				40	40	40	40	40	40	40	40	40		
35			46			46	46	46	46					
40								54	54	54	54	54	54	54

02

REDONDOS (R) DE ALTO RENDIMIENTO TRESBOLILLO 60° (T) ROUNDS (R) HIGH PERFORMANCE 60° STAGGERED PATTERN (T)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	Thickness - Espesor							
	0,5	0,8	1	1,5	2	2,5	3	4
2	3 40%	3 40%	3 40%	3 40%	3 40%			
2,5				3,5 46%	3,5 46%	3,5 46%		
3	4 51%	4 51%	4 51%	4 51%	4 51%	4 51%	4 51%	
3,5					4,5 55%	4,5 55%	4,5 55%	
4	5 58%	5 58%	5 58%	5 58%	5 58%	5 58%	5 58%	6 40,3%
4,5		6 51%	6 51%			6 51%	6 51%	
5		6 63%	6 63%	6 63%	6 63%			
5		6,5 54%	6,5 54%			6,5 54%	6,5 54%	
5		7 46%	7 46%	7 46%	7 46%	7 46%	7 46%	7 46%
6				7,5 58%	7,5 58%	7,5 58%	7,5 58%	9 40,31%

03

REDONDOS (R) EN PARALELO (U) ROUNDS (R) RECTANGULAR PATTERN (U)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	Thickness - Espesor					
	0,5	0,8	1	1,5	2	2,5
1	3,5 6%					
1			2,2x3,75 9,5%			
1,2	1,75 37%					
1,2	3,5 9,2%					
1,3	4 8%	4 8%	4 8%			
1,5	2,8 23%					
1,5	4 11%	4 11%	4 11%			
1,5	5,2 7%	5,2 7%	5,2 7%	5,2 7%		
2	5 13%	5 13%				
2	5,2 11,6%	5,2 11,6%	5,2 11,6%	5,2 11,6%	5,2 11,6%	
2	6 9%	6 9%	6 9%	6 9%	6 9%	
2	7 6,4%	7 6,4%	7 6,4%	7 6,4%	7 6,4%	
2,5	5,5 16%	5,5 16%	5,5 16%			
2,5	6 14%	6 14%	6 14%	6 14%		
2,5	7 10%	7 10%	7 10%	7 10%	7 10%	7 10%
3	4 44%	4 44%	4 44%			
3	7 14%	7 14%	7 14%	7 14%	7 14%	7 14%

Size - Medida	Thickness - Espesor					
	0,5	0,8	1	1,5	2	2,5
3,5		6 27%	6 27%			
4	8,8 16%	8,8 16%	8,8 16%	8,8 16%	8,8 16%	
4	10,5 11,4%	10,5 11,4%	10,5 11,4%	10,5 11,4%		
4		20 3%	20 3%	20 3%		
4,5	6 44%	6 44%	6 44%			
5	8,5 27%	8,5 27%	8,5 27%			
5			10 20%	10 20%	10 20%	
6		10 28%	10 28%	10 28%	10 28%	
6	16 11%	16 11%	16 11%	16 11%	16 11%	
6		25 5%	25 5%			
7	12 26,7%		26 6%	26 6%		
8	19 14%	19 14%	19 14%	19 14%	19 14%	
10	24,2 13%	24,2 13%	24,2 13%	24,2 13%	15 34,9%	
12	28 14%	28 14%	28 14%	28 14%	28 14%	
15	35 14%	35 14%	35 14%	35 14%	35 14%	
20			46,8 14%	46,8 14%	46,8 14%	
25				60 14%	60 14%	

Consultar otros tamaños. Consult other sizes.

04

CUADRADOS (CD) EN DIAGONAL 45° (M) SQUARES (CD) 45° DIAGONAL PATTERN (M)

Distancia entre centros /
% Área Perforada
Distance between centres /
% Perforated Area

Size - Medida	Thickness - Espesor					
	0,5	0,8	1	1,5	2	3
10	15 31%	15 31%	15 31%	15 31%	16,97 25%	
15				30 18%		30 18%
20	35 23%	35 23%	35 23%	35 23%	35 23%	35 23%
22			36 26%		36 26%	36 26%
25	40 28%	40 28%	40 28%	40 28%	40 28%	40 28%
27			45 25%			
30			50 25%	50 25%	50 25%	50 25%
33						50 31%
35			55 29%	55 29%	55 29%	

Size - Medida	Thickness - Espesor					
	0,5	0,8	1	1,5	2	3
40	60 31%			60 31%	60 31%	60 31%
40	80 18%			80 18%	80 18%	80 18%
50				100 18%	100 18%	100 18%
55				100 31%		
60				90 31%		90 31%
60				120 18%		120 18%
70			90 43%	90 43%	90 43%	
70			140 18%	90 18%	90 18%	

05

CUADRADOS (C) EN PARALELO (U) SQUARES (C) RECTANGULAR PITCH (U)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	Thickness - Espesor									
	0,5	0,8	1	1,5	2	3	4	5	6	8
3	7 18%									
4	6 44%	6 44%	6 44%							
4			8 25%							
5				6,9 52%	6,9 52%					
5	8 39%	8 39%	8 39%	8 39%	8 39%	8 39%				
5	9 31%	9 31%	9 31%	9 31%	9 31%	9 31%				
5,5	8 47%	8 47%	8 47%							
6				9 44%	9 44%	10 36%				
7			10 49%	10 49%	10 49%					
7			12,5 31%							
8	10 64%	10 64%	10 64%							
8	10,5 58%	10,5 58%	10,5 58%	10,5 58%	10,5 58%					
8	11 53%			11 53%	11 53%					
8			12 44%	12 44%	12 44%					
10	13 59%	13 59%	13 59%	13 59%	13 59%					
10	14 51%	14 51%	14 51%	14 51%	14 51%					
10	15 44%	15 44%	15 44%	15 44%	15 44%	15 44%	15 44%	15 44%	15 44%	
10	20 25%	20 25%	20 25%	20 25%	20 25%	20 25%				
12				15 64%	15 64%					
12				16 56%	16 56%	16 56%				
14				28 25%	28 25%	28 25%				
15				20 56%	20 56%	20 56%				

Size - Medida	Thickness - Espesor									
	0,5	0,8	1	1,5	2	3	4	5	6	8
15			30 25%	30 25%	30 25%	30 25%				
16			20 64%	20 64%	20 64%					
18		26 48%	26 48%	26 48%	26 48%					
20	24 69%	24 69%	24 69%	24 69%	24 69%	24 69%				
20	25 64%	25 64%	25 64%	25 64%	25 64%					
20	30 44%	30 44%	30 44%	30 44%	30 44%	30 44%				
20	40 25%	40 25%	40 25%	40 25%	40 25%	40 25%				
22			30 53%	30 53%						
25	32 60%	32 60%	32 60%	32 60%	32 60%	32 60%		34 54%	34 54%	
27			34 63%							
30	38 62%	38 62%	38 62%	38 62%	40 56%	40 56%				
30	48 39%	48 39%	48 39%	48 39%	48 39%	48 39%	48 39%			
30			60 25%	60 25%	60 25%	60 25%				
33						66 25%	66 25%			
35			70 25%	70 25%	70 25%					
40	50 64%	50 64%	50 64%	50 64%	50 64%	50 64%				
40	80 25%	80 25%	80 25%	80 25%	80 25%	80 25%				
45					50 81%				100 20%	
50			100 25%	100 25%	100 25%				65 59%	
55			110 25%							
60			120 25%	120 25%	120 25%					
70			140 25%	140 25%	140 25%					

Consulta otros tamaños. Consult other sizes.

06

LARGOS REDONDEADOS (LR) PARALELO (U) ORIENTACIÓN (L)
ROUND END SLOTS (LR) RECTANGULAR (U) ORIENTATION (L)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	Thickness - Espesor							
	1	1,5	2	2,5	3	4	5	6
1,5x10	4,25x20,25 17%							
1,8x20			6,25x37,5 15%	6,25x37,5 15%	6,25x37,5 15%			
2x15	5x28,5 20,5%	5x28,5 20,5%	5x28,5 20,5%					
2x20		5x37,5 21%	5x37,5 21%	5x37,5 21%				
3x12	8x15 28,4%	8x15 28,4%	8x15 28,4%					
3x12	16x16 13,3%	16x16 13,3%	16x16 13,3%					
3x20		7x39 21,27%	7x39 21,27%	7x39 21,27%	7x39 21,27%	7x39 21,27%	7x39 21,27%	
4x19							8x34,5 26,29%	8x34,5 26,29%
4,75x20		8,5x25 42,42%	8,5x25 42,42%	8,5x25 42,42%	8,5x25 42,42%			
4,75x20		8,5x36 29,5%	8,5x36 29,5%	8,5x36 29,5%	8,5x36 29,5%			
5x14	10x15 43%	10x15 43%	10x15 43%	10x15 43%	10x15 43%	10x15 43%	10x15 43%	
5x14	20x20 16,16%	20x20 16,16%	20x20 16,16%	20x20 16,16%	20x20 16,16%	20x20 16,16%	20x20 16,16%	

07

LARGOS REDONDEADOS (LR) ALTERNOS (Z) ORIENTACION (L)
ROUND END SLOTS (LR) STAGGERED PATTERN (Z) ORIENTATION (L)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	Thickness - Espesor							
	1	1,5	2	2,5	3	4	5	6
1x10	8x20 12,2%							
1,8x20			12,5x25 23%	12,5x25 23%	12,5x25 23%			
2x15	10x19 31%	10x19 31%	10x19 31%					
2x20		10x25 31%	10x25 31%	10x25 31%				
3x12	16x20 21%	16x20 21%	16x20 21%					
3x20		14x26 32%	14x26 32%	14x26 32%	14x26 32%	14x26 32%	14x26 32%	
4x19							16x23 39%	16x23 39%
4,75x20		16,8x24 45%	16,8x24 45%					
4,75x20		17x24 44%	17x24 44%	17x24 44%	17x24 44%			
4,75x20		17x50 21%	17x50 21%	17x50 21%	17x50 21%			
5x14	20x20 32%	20x20 32%	20x20 32%	20x20 32%	20x20 32%	20x20 32%	20x20 32%	
5x20							20x25 38%	20x25 38%
5x20	20x26 36%							
5x20		22x30 29%				22x30 29%	22x30 29%	22x30 29%
6x30		22,5x36 42,5%	22,5x36 42,5%	22,5x36 42,5%	22,5x36 42,5%	22,5x36 42,5%		
7x20		24x26 41,5%	24x26 41,5%					

08

LARGOS REDONDEADOS (LR) PARALELO (U) ORIENTACIÓN (A) ROUND END SLOTS (LR) RECTANGULAR (U) ORIENTATION (A)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	Thickness - Espesor →											
	0,5	0,8	1	1,5	2	2,5	3	4	5	6	8	10
0,7x6		1,8x7 32,5%										
0,7x6		2,16x7 27%										
0,7x6		2,7x7 21,4%										
1,05x12,6			5x15,88 16,4%									
1,5x12,5				7x17,3 15,2%	7x17,3 15,2%							
1,5x20			8,8x25 13,5%	8,8x25 13,5%	8,8x25 13,5%							
1,6x6				6,6x11 12,8%	6,6x11 12,8%							
1,8x15							7x20 19%	7x20 19%				
1,8x20			7x25 20,4%	7x25 20,4%	7x25 20,4%	7x25 20,4%						
2x10	7x14,3 19,6%			7x14,3 19,6%	7x14,3 19,6%							
2x20			7x25 22,6%	7x25 22,6%	7x25 22,6%							
2,5x24								8x37 20%	8x37 20%			
3x15				8x20 27,7%								
3x20				9x26 25,4%	9x26 25,4%							
4x20		10x26 30,4%					10x25 31,7%	10x25 31,7%	10x25 31,7%			
4x60									18x69 19,25%	18x69 19,25%		
4,4x16						15x25 18,5%	15x25 18,5%					
4,4x22						15x25 25,6%	15x25 25,6%					
4,75x20		8,5x24 46%	8,5x24 46%	8,5x24 46%	8,5x24 46%	8,5x24 46%	8,5x24 46%					
6x30				12x36 41%	12x36 41%		12x36 41%	12x36 41%	12x36 41%	12x36 41%		
6x35								15x41 34%	15x41 34%			
6x60			15x70 34%	15x70 34%	15x70 34%							
7x20				15x26 35,5%	15x26 35,5%							
8x40			16x47,5 42%	16x47,5 42%	16x47,5 42%							
10x30				20x40 37%	20x40 37%							
10x40											20x48 41,4%	20x48 41,4%
10x50						30x68 24,4%	30x68 24,4%					

Consultar otros tamaños. Consult other sizes.

09

LARGOS REDONDEADOS (LR) ALTERNOS (Z) Y ORIENTACION (A) ROUND END SLOTS (LR) STAGGERED PATTERN (Z) ORIENTATION (A)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

Size - Medida	0,5	0,8	1	1,5	2	2,5	3	4	5	6	8	10	12
0,7x6		7,2x14 8%											
1,5x12,5				7x17,3 30,4%	7x17,3 30,4%								
1,5x20			8,8x25 27%	8,8x25 27%	8,8x25 27%								
1,6x6				9x11 18,7%	9x11 18,7%								
1,8x15							13,8x20 19,3%	13,8x20 19,3%					
1,8x20			12,5x25 22,8%	12,5x25 22,8%	12,5x25 22,8%	12,5x25 22,8%							
2x10	9x14,3 30,4%			9x14,3 30,4%	9x14,3 30,4%								
2x20			10x25 31,7%	10x25 31,7%	10x25 31,7%								
2,5x24								16x74 10%	16x74 10%				
3x15				16x20 27%									
3x20				14x26 32,6%	14x26 32,6%								
3x20				10x50,7 23,4%	10x50,7 23,4%								
4x20							20x25 31,7%	20x25 31,7%	20x25 31,7%				
4,4x16						15x25 37%	15x25 37%						
4,4x22						15x25 51%	15x25 51%						
4,75x20	16,75x24 44,8%	16,75x24 44,8%	16,75x24 44,8%										
4,75x20				17x24 44%	17x24 44%	17x24 44%	17x24 44%						
6x30				24x36 41%	24x36 41%		24x36 41%	24x36 41%	24x36 41%	24x36 41%			
6x35								20x41 51%	20x41 51%				
7x20				24x26 41,5%	24x26 41,5%								
10x30				40x40 34,8%	40x40 34,8%								
10x40											32x48 51,8%	32x48 51,8%	32x48 51,8%
10x50						52x68 28%	52x68 28%						

10

LARGOS RECTANGULARES (LC) SQUARE END SLOTS (LC)

Distancia entre centros / % Área Perforada
Distance between centres / % Perforated Area

(LC) RECTANGULAR (U) ORIENTACION (A) (LC) SQUARE PATTERN (U) ORIENTATION (A)

Size - Medida	Thickness - Espesor →				
	0,5	0,8	1	1,5	2
4x20		10x26 31%	10x26 31%	12x45 15%	12x45 15%
5x60	10x73 41%				
8x16				10x18 71%	10x18 71%
8x16				15x18 47%	15x18 47%
8x16			20x18 35%		
8x16				30x18 24%	30x18 24%
8x16			36x36 10%	36x36 10%	36x36 10%
30x50	40x60 62,5%				

(LC) PARALELO (U) ORIENTACION (L) (LC) PARALLEL (U) ORIENTATION (L)

Size - Medida	Thickness - Espesor →				
	2	2,5	3	4	5
5x25	11x31 37%	11x31 37%	11x31 37%	11x31 37%	11x31 37%
20x48		60x60 27%	60x60 27%		

(LC) PARALELO (Z) ORIENTACION (A) (LC) RECTANGULAR (Z) ORIENTATION (A)

Size - Medida	Thickness - Espesor →				
	0,5	0,8	1	1,5	2
4x20				24x90 7,5%	
8x16				20x36 35,56%	20x36 35,56%
8x16			40x36 17,8%		
8x16				60x36 12%	60x36 12%

(LC) ALTERNOS (Z) ORIENTACION (L) (LC) STAGGERED (Z) ORIENTATION (L)

Size - Medida	Thickness - Espesor →			
	2	2,5	3	4
5x25	22x62 18%	22x62 18%	22x62 18%	22x62 18%
18,5x33	25,5x80 60%			

Otros LC pueden fabricarse tanto en “Z” como en “U”. Y paralelos al largo “L” y al ancho “A” en espesores hasta 3 mm. Consultar “entre centros”:

1x19	2x10	3x18,25	3,9x20	4x10	4,4x30	5x15
5x30	5x50	6x12	7,8x35,6	8x40	8x50	8,1x12
10x40	12x30	15x40	20x40	25,5x76,8		

Other Rectangle can be made in both “Z” and “U” pattern. And parallel to the length “L” and the width “A” in thicknesses up to 3 mm. Ask for “Center to center distance”.

11

ABOCARDADOS (RAD RAS) DIMPLED (RAD RAS)

Distancia entre centros
Distance between centre

REDONDOS ABOCARDADOS (RAD/RAS) DIMPLED HOLES (RAD/RAS)

Thickness - Espesor →

SIZE MEDIDA	DISPOSITION DISPOSICIÓN	RAD	RAS	0,5	0,8	1	1,5	2	2,5	3	4
4,5	U-Z		X		X	X	X	X			
5	M-T-U	X					X	X			
6	M-T-U-Z	X						X	X	X	
6	T-U		X			X	X	X			
7	M-T-U	X					X	X	X		
7	M-U		X						X	X	
8	T-U		X	X	X	X	X	X	X	X	
9	M-U-Z	X						X	X		
10	T-U		X	X	X	X	X	X	X	X	
10,5	M-U		X				X	X			
15	T-U		X				X	X	X	X	X
20	M-T-U	X			X	X	X	X	X	X	X
24	M-T-U	X					X	X			

ABOCARDADO + REDONDO (RAS + R) FLARED HOLES + ROUNDS (RAS + R)

Thickness - Espesor →

SIZE MEDIDA	DISPOSITION DISPOSICIÓN	1,5	2	2,5	3	4	5	6
6x6	M-T-U		X	X				
8x8	M-U-Z	X	X	X	X	X		
9x5	M-U	X	X	X	X			
5x10,5	M-U	X	X					
15x15	U-Z	X	X		X	X	X	X
20x20	U		X	X				

LARGOS REDONDEADOS ABOCARDADO (LRAD) FLARED ROUND END SLOTS (LRAD)

Thickness - Espesor →

SIZE MEDIDA	ORIENTATION ORIENTACIÓN	DISPOSITION DISPOSICIÓN	1,5	2	2,5	3	4
17x45,5	A	U	X	X	X	X	X
22x50	A / L	U			X	X	X

SINCE
1931

Càst logop

Technical Dossier ◀ técnico

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IMAR ▶

www.imar-innometal.com

Port folio #07





IMAR

Singular Metal Solutions

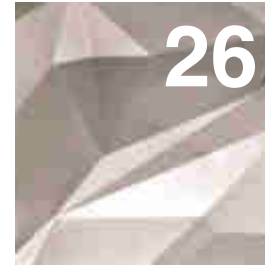
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Imar's metal solutions allow the full customization of a façade. Unlimited possibilities provide unique character and personality with excellent performance. The solutions are resistant, safe and non-flammable (even Euro Class A1). They allow light to enter the interior, reduce energy consumption and are long-lasting with minimum maintenance.

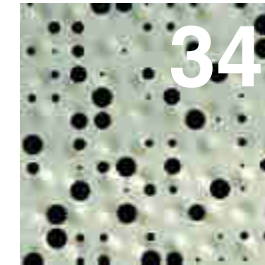
Las soluciones metálicas Imar permiten la total personalización de una fachada. Unas ilimitadas posibilidades que otorgan un carácter y personalidad únicas con unas ventajas óptimas. Es resistente, seguro y no inflamable (incluso Euro Class A1). Otorga luz al interior, reduce el consumo energético y es duradero con un mínimo mantenimiento.



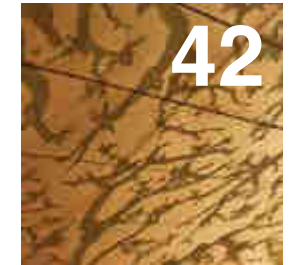
IMAR OROGRAPHY
VARIOUS GEOMETRIES



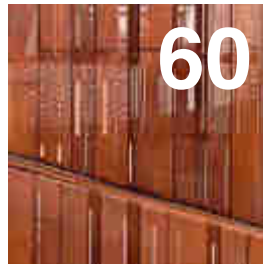
IMAR VECTOR
ORGANIC TEXTURES



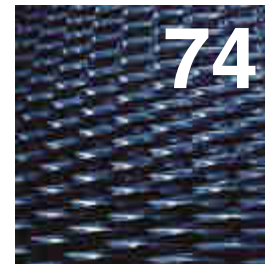
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IMAGES & PATTERNS



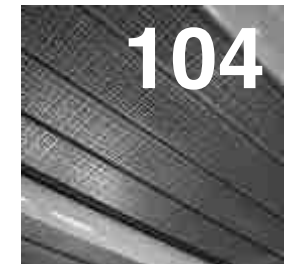
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IMAR AIR
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INSPIRING PROJECTS
MISCELLANEOUS



IMAR CONSTELLATION
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This symbol identifies double-skin projects with a “translucent cover” effect. Thanks to their high perforated areas with very small diameters, this effect gives privacy while maintaining the required transparency and natural light.

Este símbolo identifica aquellos proyectos con doble piel con efecto “velo traslúcido”. Gracias a sus altas áreas perforadas de diámetros muy pequeños, este efecto otorga privacidad manteniendo la transparencia e iluminación natural deseada.

IMAR OROGRAPHY
VARIOUS GEOMETRIES

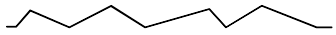


The conversion of a flat element into a wide range of textures. Sophisticated folds that create new sensations and perceptions. Light and shadow. The second skin redefines volumes. Pure geometrical forms dressed in an amazing way.

La conversión de un elemento plano en un alarde de texturas. Sofisticados pliegues que crean nuevas sensaciones y percepciones. Luces y sombras. La segunda piel redefine los volúmenes. Formas geométricas puras enriquecidas con una vestimenta superlativa.

FRONTÓN URANZU

ABR ARQUITECTOS



Jai Alai Court
Irun - Spain
Powder Coated Aluminium

Frontón de Pelota
Irún - España
Aluminio Lacado



VISION





CENTRO SALUD LODOSA

VA ARQUITECTOS



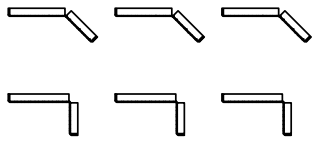
Medical Centre
Lodosa - Spain
Powder Coated Galvanized Steel

Centro Médico
Lodosa - España
Acero Galvanizado Lacado



MARIANISTAS SUMMA

ACXT-IDOM
Antonio Lorén



Educational Centre
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Anodized Aluminium

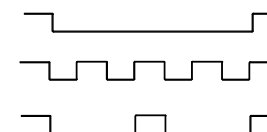
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HOSPITAL SUBAGUDOS

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Medical Centre
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Seville - Spain
Powder Coated Galvanized Steel

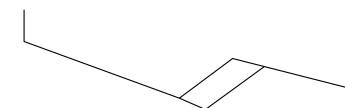
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CENTRO SALUD AMURRIO

XLARK

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Miriam Varela

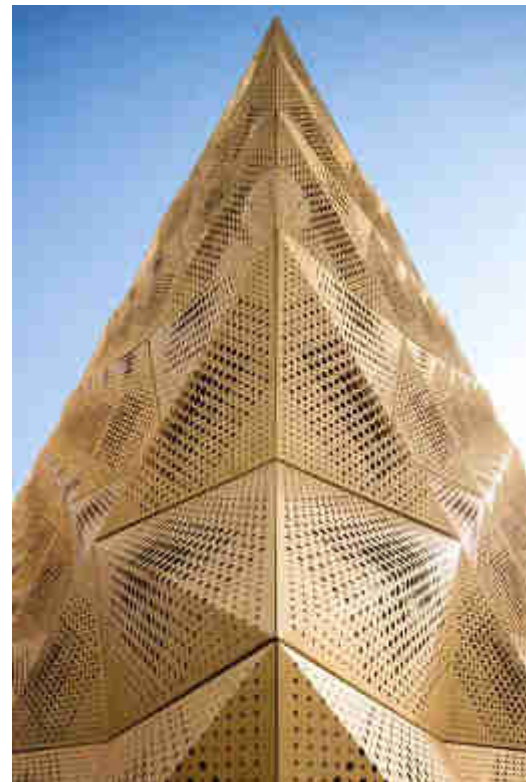
Santiago Lorenzo



Medical Centre
Amurrio - Spain
Powder Coated Aluminium

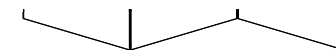
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Amurrio - España
Aluminio Lacado





TEMENOS BUILDING

STUDIO LOTUS
Sidhartha Talwar



Mixed-Use
Delhi - India
Anodized Aluminium

Uso Mixto
Delhi - India
Aluminio Anodizado



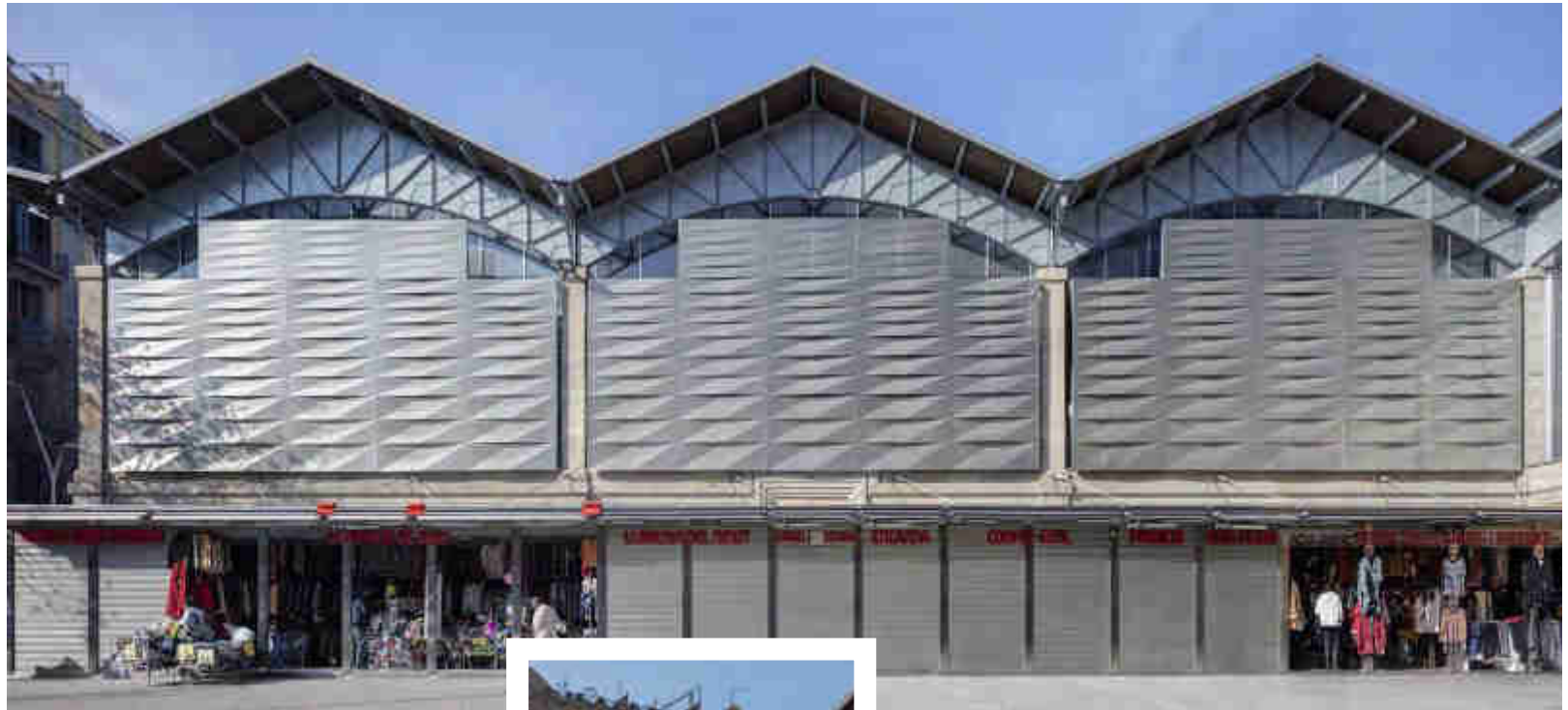
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JOSEP
LLUÍS MATEO



Food Market
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Acero Inoxidable





CIC ENERGIGUNE

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Javier Aja



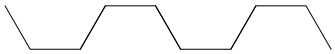
Energy Research Centre
Miñano - Spain
Stainless Steel

Centro de Investigación de Energía
Miñano - España
Acero Inoxidable



MELIA BCN SKY

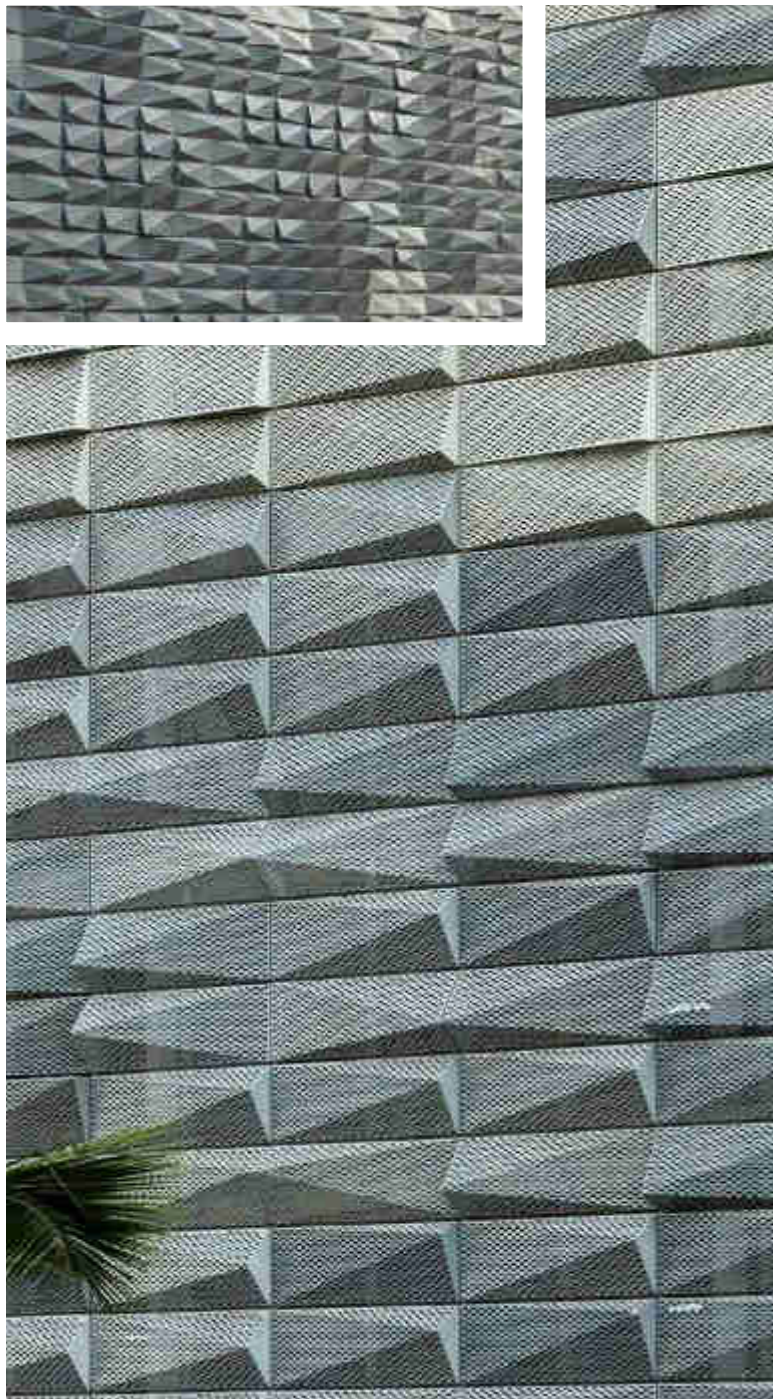
DOMINIQUE
PERRAULT



Hotel
Barcelona - Spain
Stainless Steel

Hotel
Barcelona - España
Acero Inoxidable





PACIFIC CENTER

VENTURA
ARQUITECTOS

Multifunctional Building
Panama City - Panama
Powder Coated Aluminium

Edificio Multifuncional
Ciudad de Panamá - Panamá
Aluminio Lacado

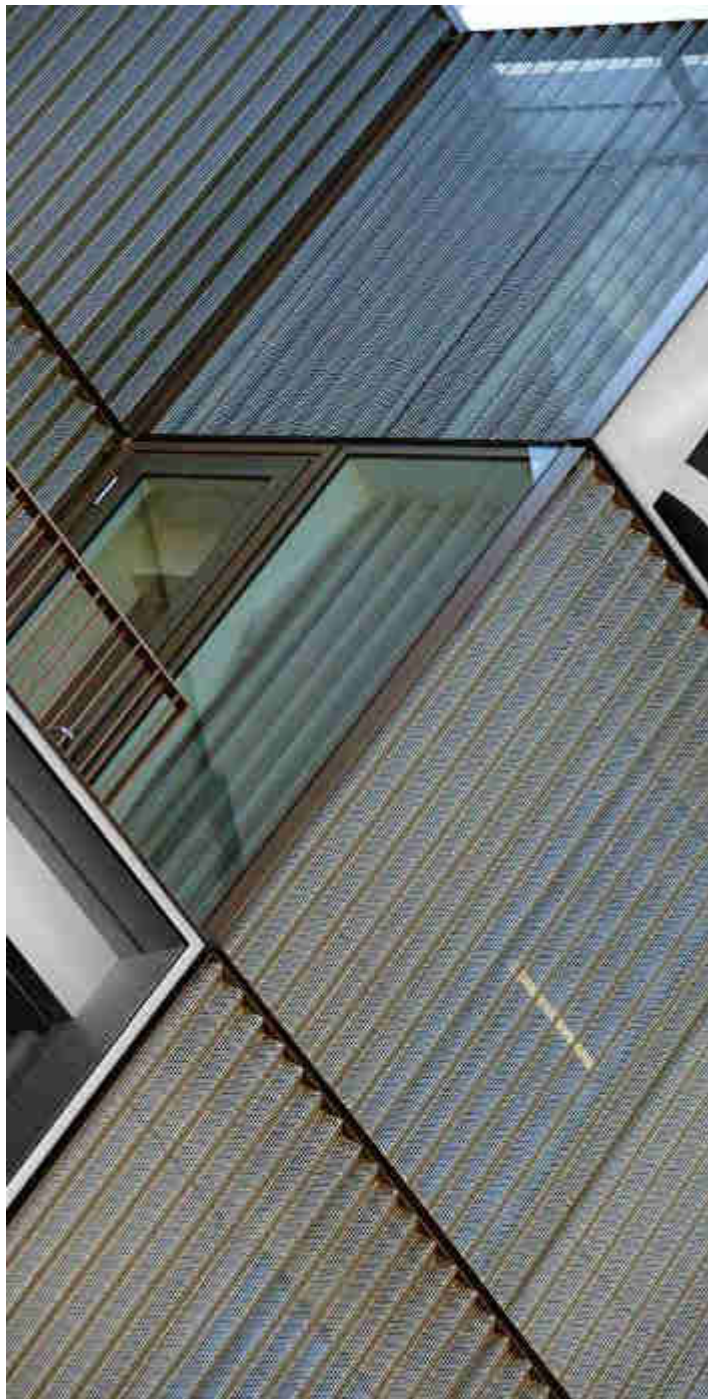
FRONTÓN ZORROZA

EPA
ARQUITECTOS

Jai Alai Court
Bilbao - Spain
Powder Coated Galvanized Steel

Frontón de Pelota
Bilbao - España
Acero Galvanizado Lacado





CURTAIN ROAD OFFICE

DUGGAN
MORRIS



Office Building
London - UK
Anodized Aluminium

Edificio de Oficinas
Londres - Reino Unido
Aluminio Anodizado



MATMUT ATLANTIQUE

HERZOG &
DE MEURON



Football Stadium
Bordeaux - France
Anodized Aluminium

Estadio de Fútbol
Burdeos - Francia
Aluminio Anodizado





POLIDEPORTIVO VALLEHERMOSO

ABM
ARQUITECTOS



Sport Centre
Madrid - Spain
Powder Coated Galvanized Steel

Centro Deportivo
Madrid - España
Acero Galvanizado Lacado



SALESIANOS BURCEÑA

IÑAKI
TANCO



Educational Centre
Burceña - Spain
Powder Coated Galvanized Steel

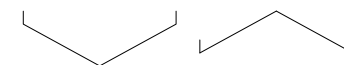
Centro Educativo
Burceña - España
Acero Galvanizado Lacado





AYUNTAMIENTO VITORIA GASTEIZ

ACXT-IDOM
César Azcárate
Jesús Armendariz



Municipal Offices
Vitoria Gasteiz - Spain
Powder Coated Galvanized Steel

Oficinas Municipales
Vitoria Gasteiz - España
Acero Galvanizado Lacado



IMAR VECTOR
ORGANIC TEXTURES



The metal becomes a sculpted material to represent the architect's dreams. The folds in a piece of paper, waves in water, geometric shapes of an amazing 'Tetris'... subtle ideas that are expressed in the metal of a façade.

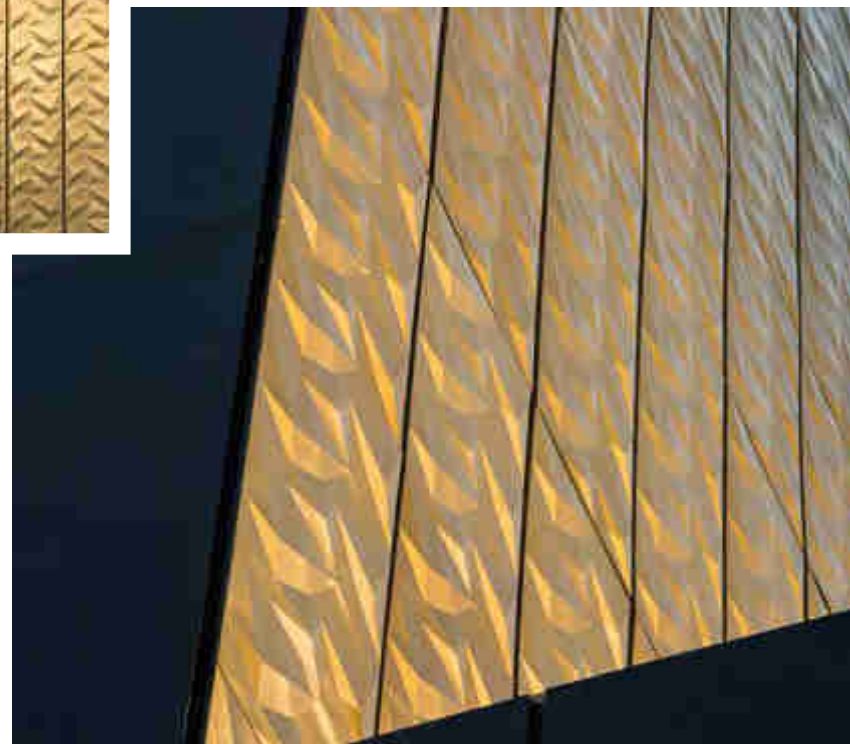
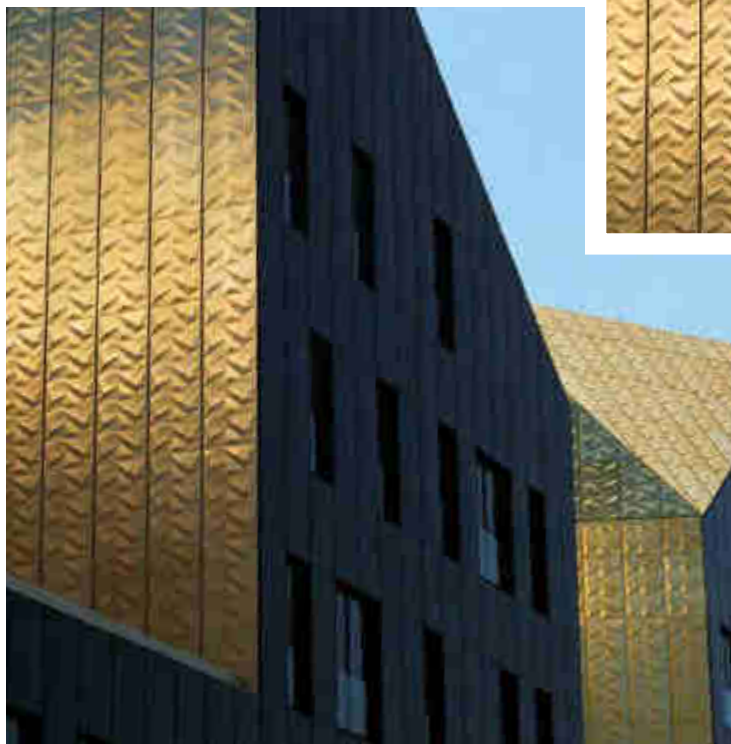
El metal se convierte en material escultórico para representar los sueños del arquitecto. Los pliegues de un papel, las ondulaciones del agua, relieves geométricos de un Tetris fantástico... Ideas sutiles que se expresan en el metal de una fachada.

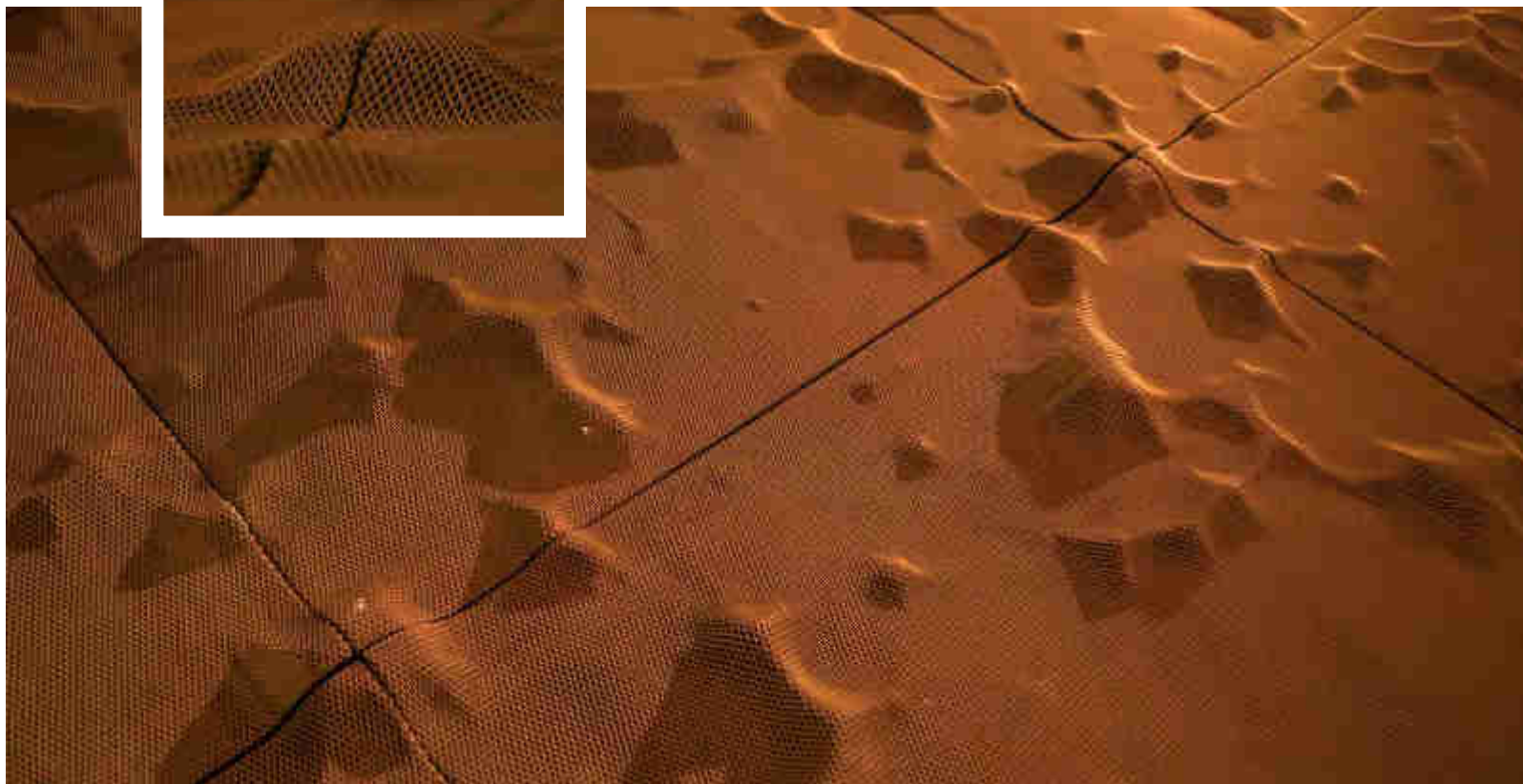
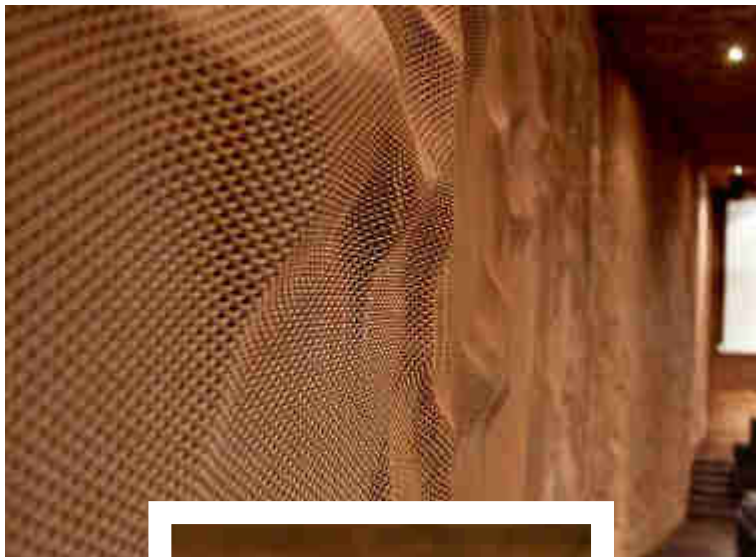
CENTRO MUSIKENE

AITOR GURTUBAY
ASIER ATXURRA
UNAI ZELAIETA

Higher Education Music Centre
San Sebastian - Spain
Gold Anodized Aluminium

Centro Superior de Música
San Sebastián - España
Aluminio Anodizado Dorado





CAIXAFORUM MADRID

HERZOG
& DE MEURON

Auditorium
Madrid - Spain
Powder Coated Galvanized Steel

Auditorio
Madrid - España
Acero Galvanizado Lacado

SEDE BOMBEROS

COLL BARREU

Police & Fire Department
Bilbao - Spain
Polished Powder Coated Aluminium

Policía Municipal y Bomberos
Bilbao - España
Aluminio Pulido Lacado



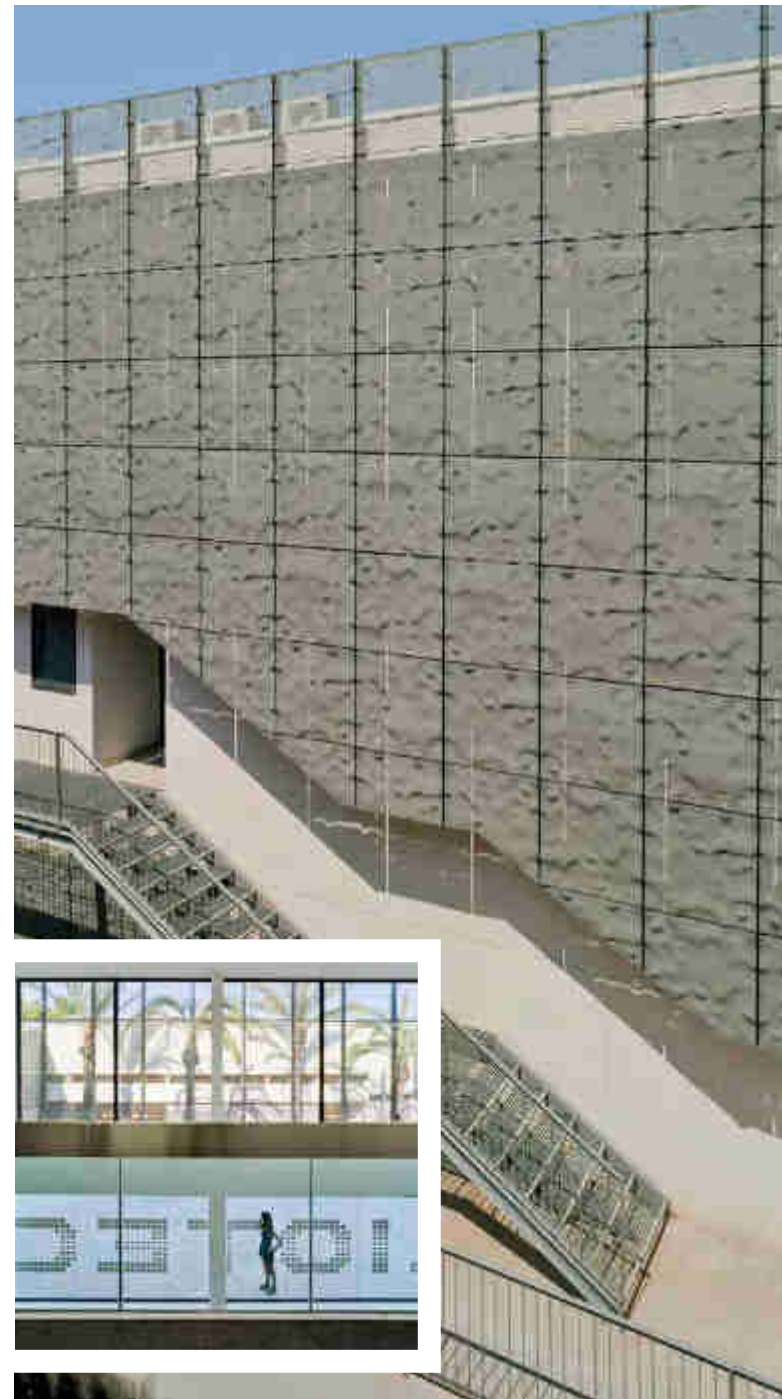


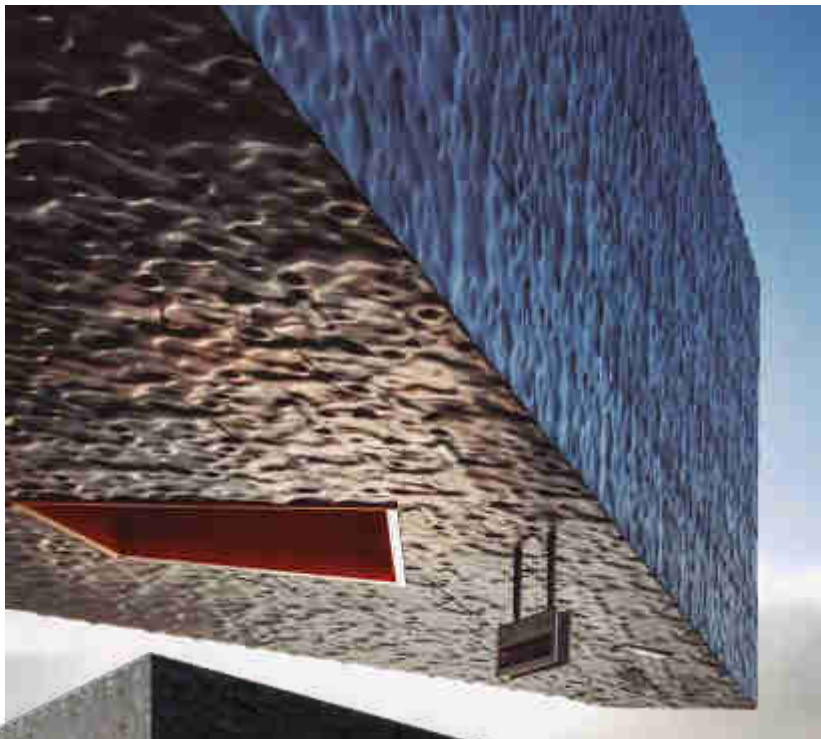
BIBLIOTECA JÁVEA

JOSÉ MORAGUES
PUGA

Public Library
Javea - Spain
Powder Coated Aluminium

Biblioteca Pública
Jávea - España
Aluminio Lacado





RADIAL TENERIFE

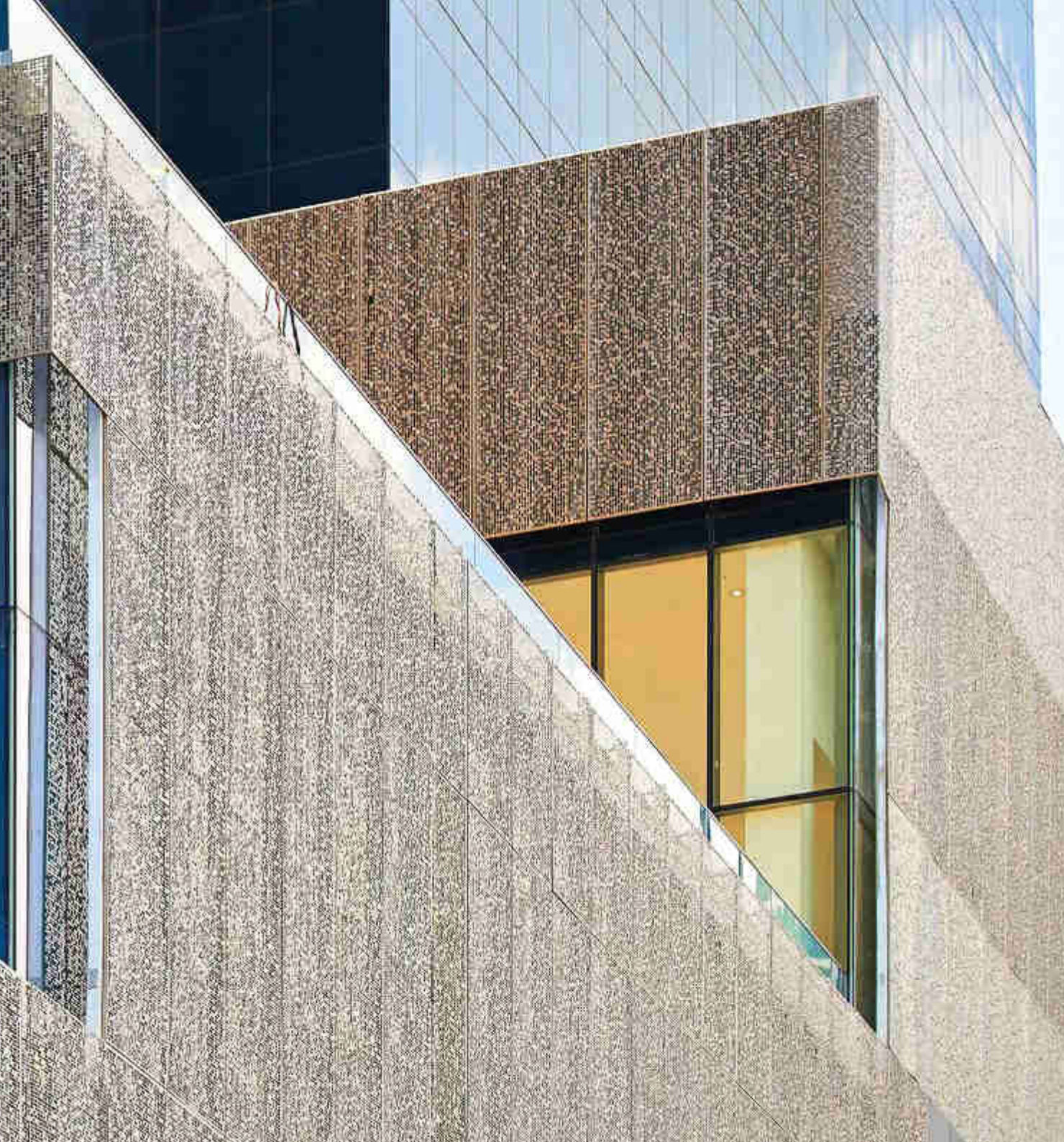
SENER
TENÓ INGENIEROS



Intermodal Transportation Hub
Tenerife - Spain
Powder Coated Galvanized Steel

Intercambiador de Transportes
Tenerife - España
Acero Galvanizado Lacado

IMAR SPLASH
VOLUME & LIGHT



The creation of sensations with reliefs, bas-reliefs and perforations on different planes. A whole gamut of textures based on a language of binary volumes. The changing light is captured and returned in a unique way at different times of the day. Vibrant façades in continuous effervescence.

Creación de sensaciones con relieves, bajorrelieves y perforaciones en diferentes planos. Todo un alarde de texturas desde un lenguaje de volúmenes binarios. La captación mutante de la luz se devuelve de manera única en cada instante del día. Fachadas vibrantes en continua efervescencia.

BOULEVARD AL MASSIRA

GROUPE 3
ARCHITECTES



Shopping Mall
Casablanca - Morocco
Powder Coated Aluminium

Centro Comercial
Casablanca - Marruecos
Aluminio Lacado



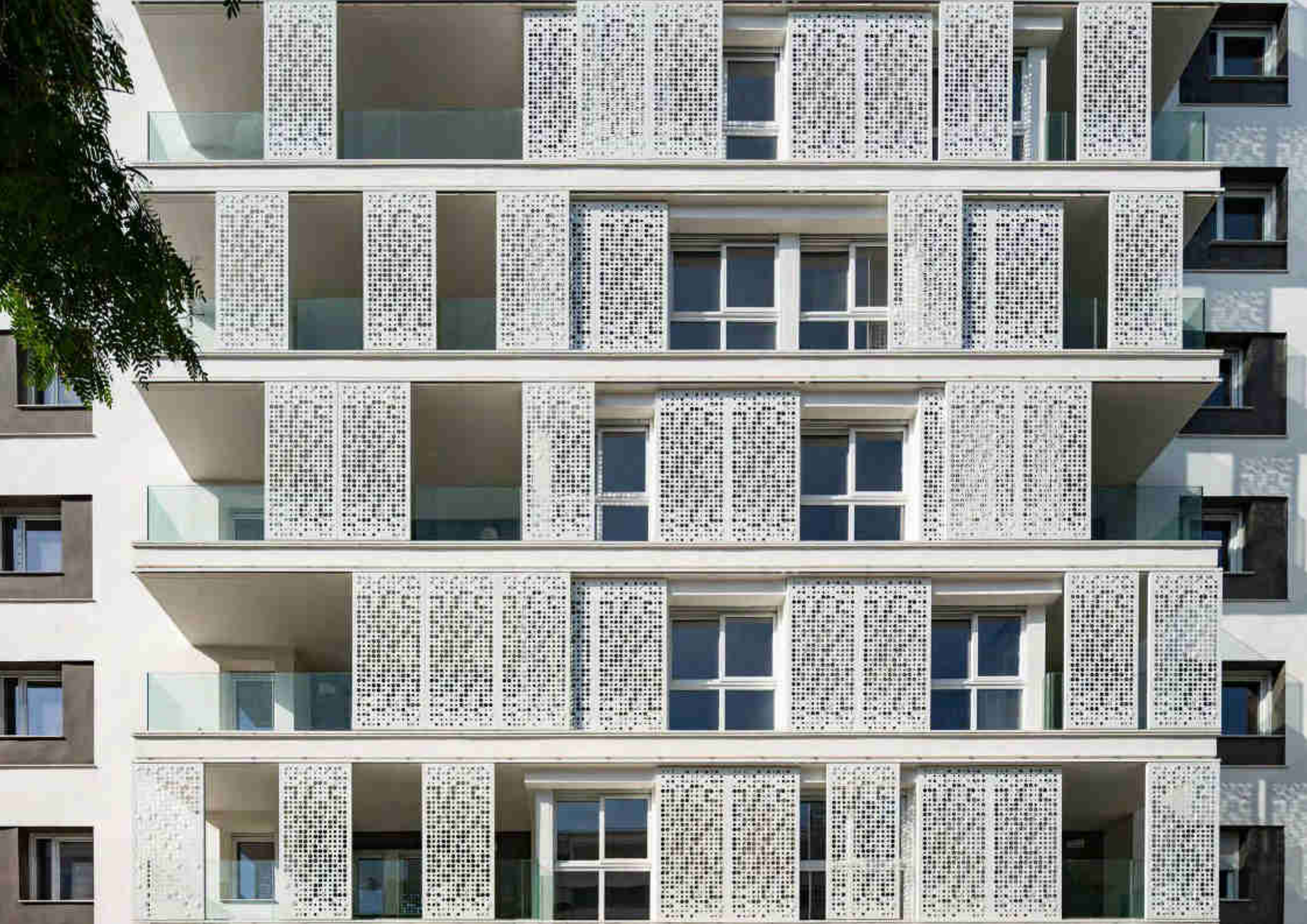


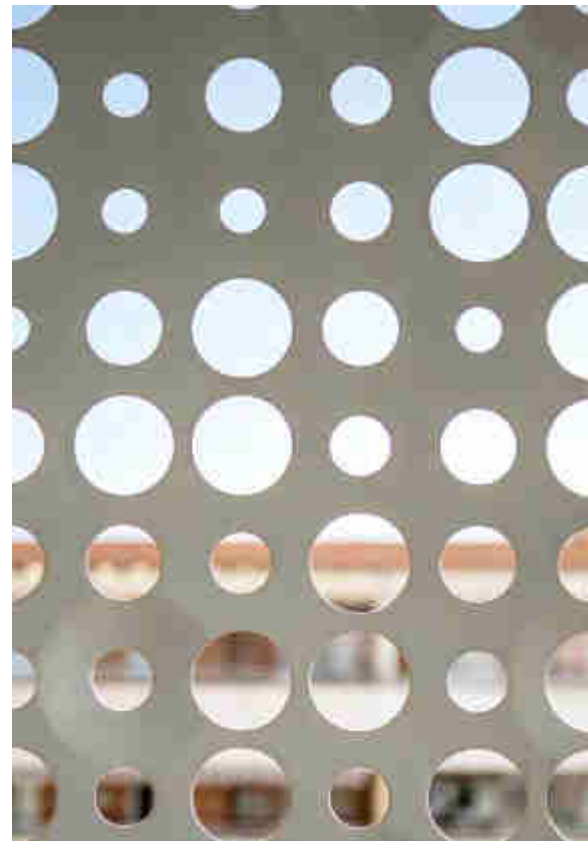
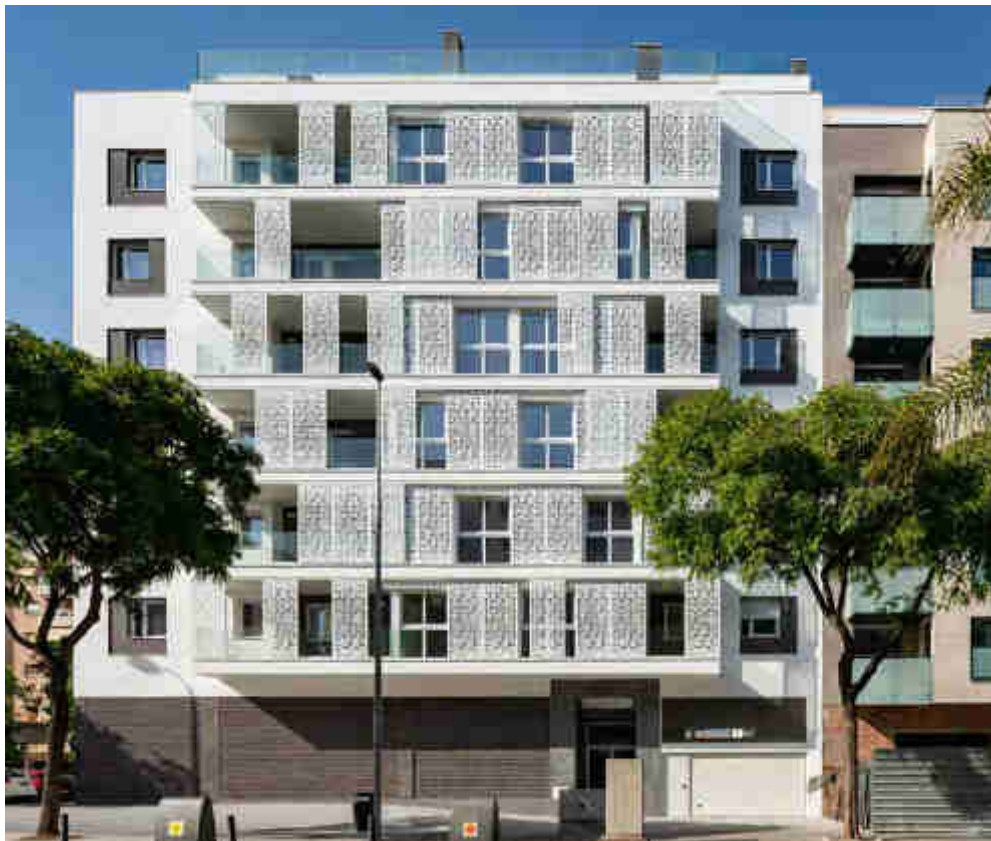
BASQUE CULINARY CENTER

VAUMM
ARKITEKTURA

Faculty of Gastronomy
San Sebastian - Spain
Anodized Aluminium

Facultad de Gastronomía
San Sebastián - España
Aluminio Anodizado





CARRIL DE LA CHUPA

MAPEA

Antonio Schz. Cerra



Residential Building
Malaga - Spain
Powder Coated Aluminium

Edificio de Viviendas
Málaga - España
Aluminio Lacado

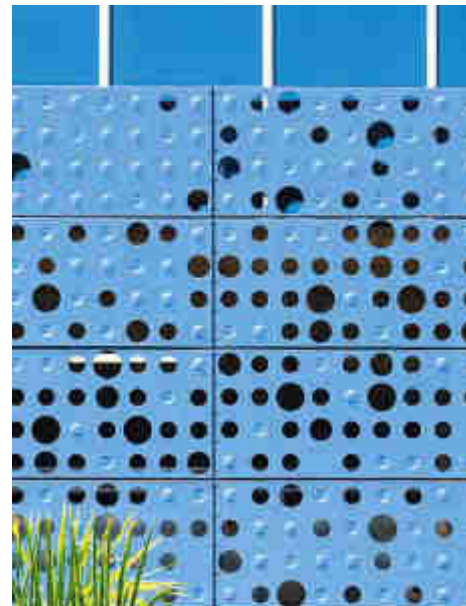
PANAMÁ MALL

ARTHUR
CASAS

Luxury Shopping Mall
Panama City - Panama
Powder Coated Aluminium

Centro Comercial de Lujo
Ciudad de Panamá - Panamá
Aluminio Lacado





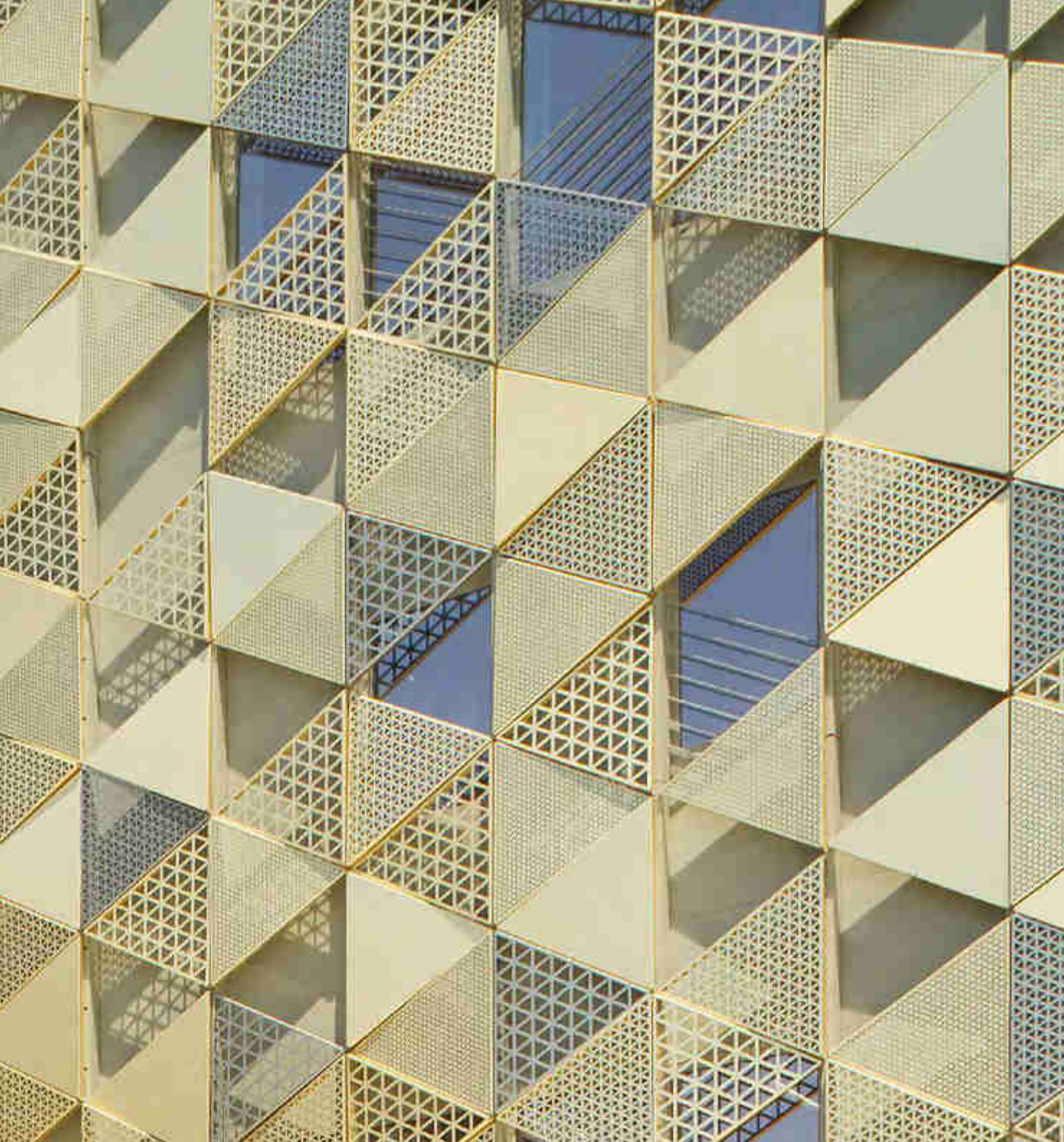
BOULEVARD DEL ESTE

MALLOL
& MALLOL

Office Building
Panama City - Panama
Powder Coated Aluminium

Edificio de Oficinas
Ciudad de Panamá - Panamá
Aluminio Lacado

IMAR IMAGING
IMAGES & PATTERNS



Metal as a canvas combines words, moments and concepts in an indelible way. A blending of ideas in the architectural element itself. The magic of converting a façade into landscapes, textures or real images... transformation of the metal into thought, feeling or emotion.

El metal como lienzo integra de manera indeleble palabras, instantes y conceptos. Fusión de ideas en el propio elemento arquitectónico. La magia de convertir una fachada en paisajes, texturas o imágenes reales... transformación del metal en un pensamiento, sentimiento o emoción.

ESTADIOS JUEGOS PANAMERICANOS

PATTERN

Sports Centre, Aquatic Centre &
Velodrome - Lima, Peru
Powder Coated Galvanized Steel

Polideportivo, Centro Acuático y
Velódromo - Lima, Perú
Acero Galvanizado Lacado





ALTA PLAZA

MALLOL
& MALLOL

Shopping Mall
Panama City - Panama
Powder Coated Aluminium

Centro Comercial
Ciudad de Panamá - Panamá
Aluminio Lacado





GERENCIA DE URBANISMO

LOTOARQ



Municipal Office
Almería - Spain
Corten Steel

Oficina Municipal
Almería - España
Acero Corten

HOSPITAL QUIRÓN

ENERO
ARQUITECTURA

Medical Building
Cordoba - Spain
Anodized Aluminium

Edificio Clínico
Córdoba - España
Aluminio Anodizado





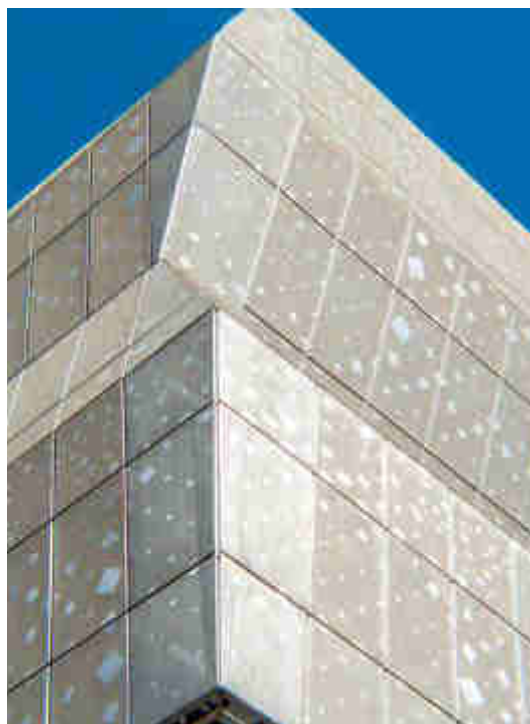
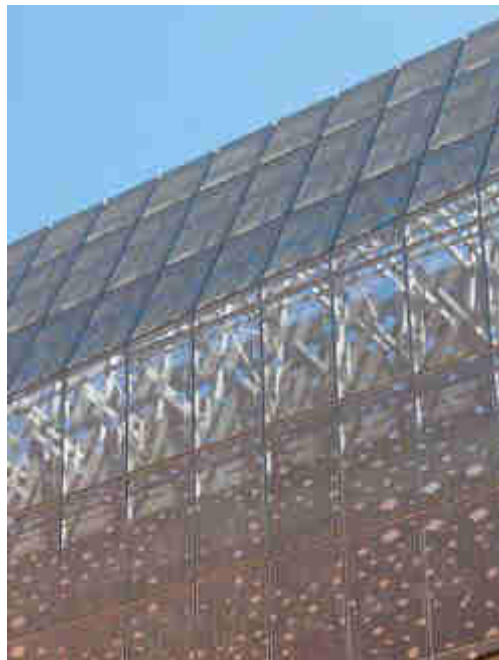
quirónsalud

KUWAIT UNIVERSITY

NBBJ ARCHITECTS

College of Science
Kuwait - Kuwait
Stainless Steel

Facultad de Ciencias
Kuwait - Kuwait
Acero Inoxidable





GLASGOW FORT

COOPER
CROMAR



Shopping Mall Parking Garage
Glasgow - UK
Corten Steel

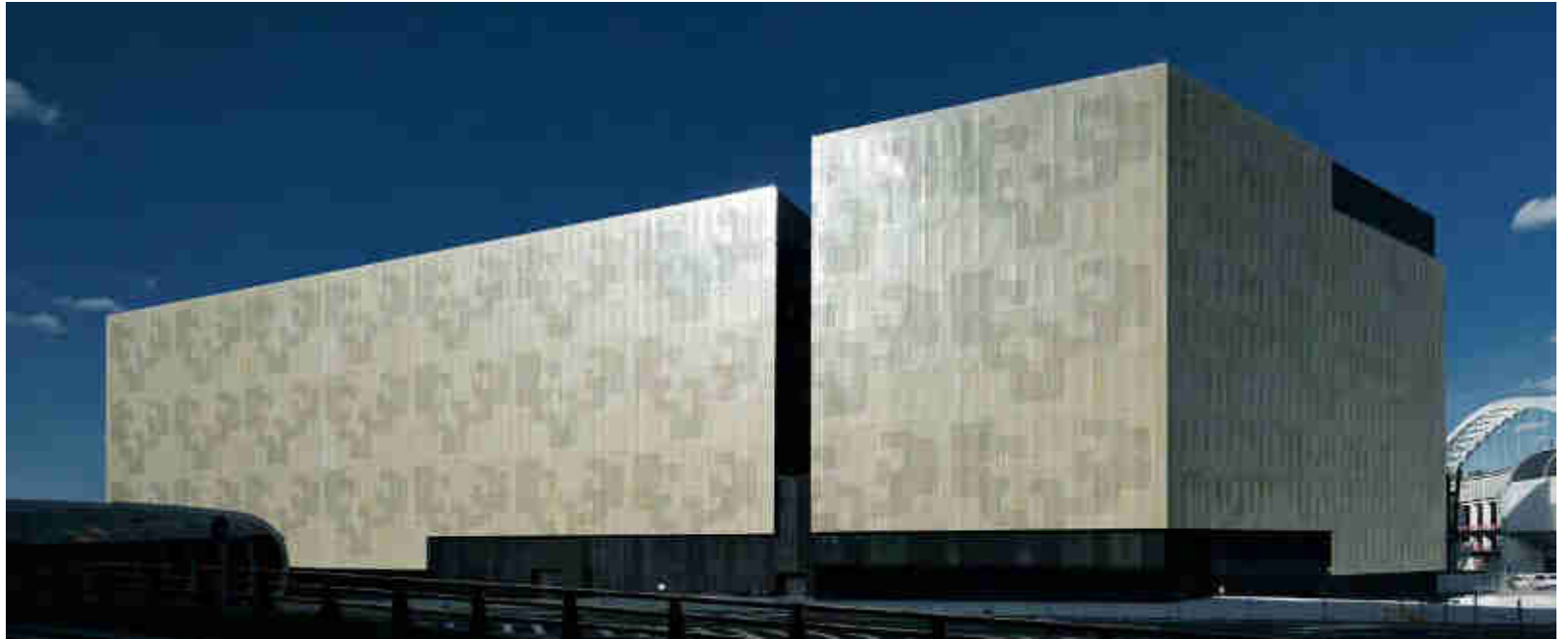
Parking de Centro Comercial
Glasgow - Reino Unido
Acero Corten

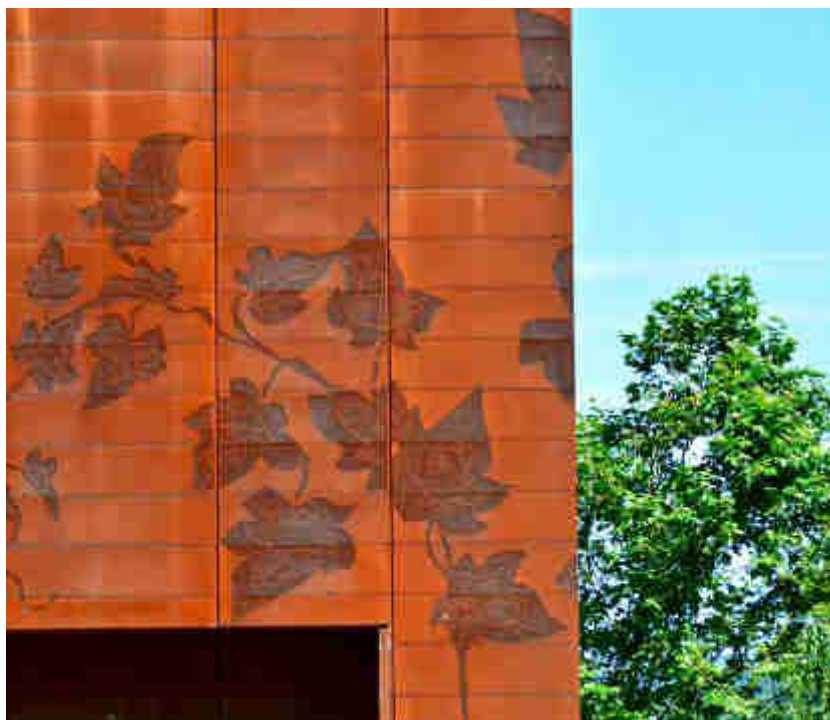
EUITI MINAS

ACXT IDOM
César Azcárate

Engineering College
Bilbao - Spain
Powder Coated Galvanized Steel

Facultad de Ingeniería
Bilbao - España
Acero Galvanizado Lacado





SOCIAL ANTZOKIA BASAURI

MAAB

Theatre
Basauri - Spain
Corten Steel

Teatro
Basauri - España
Acero Corten

INSTITUTO GEOLÓGICO

OIKOSVIA
ARQUITECTURA

Catalunya Geological Institute
Trempt - Spain
Corten Steel

Instituto Geológico de Catalunya
Trempt - España
Acero Corten





SAINBURY'S ABBAY WOOD

COLLADO
COLLINS

Store
London - UK
Powder Coated Aluminium

Tienda
Londres - Reino Unido
Aluminio Lacado

WILNO REAL ESTATE

HERMANOWICZ
REWSKI

Sales Office
Warsaw - Poland
Powder Coated Aluminium

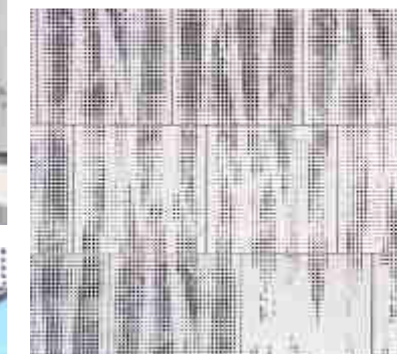
Oficina de Ventas
Varsovia - Polonia
Aluminio Lacado





CPD CERDANYOLA

ACXT-IDOM
Tono Fernández



Data Processing Centre
Cerdanyola - Spain
Anodized Aluminium

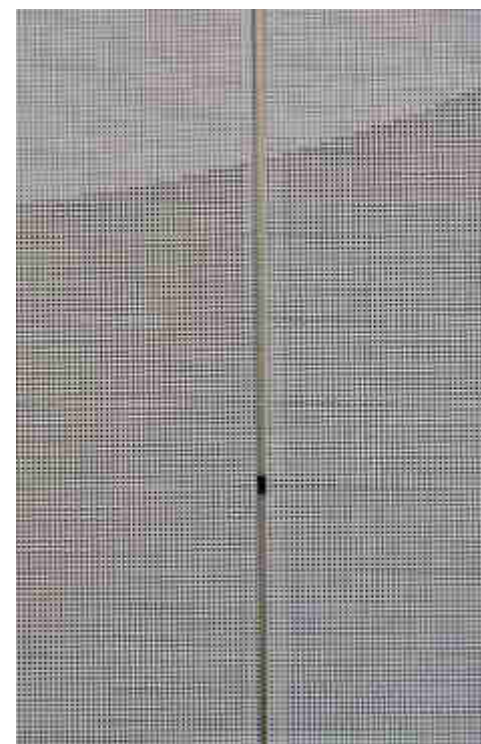
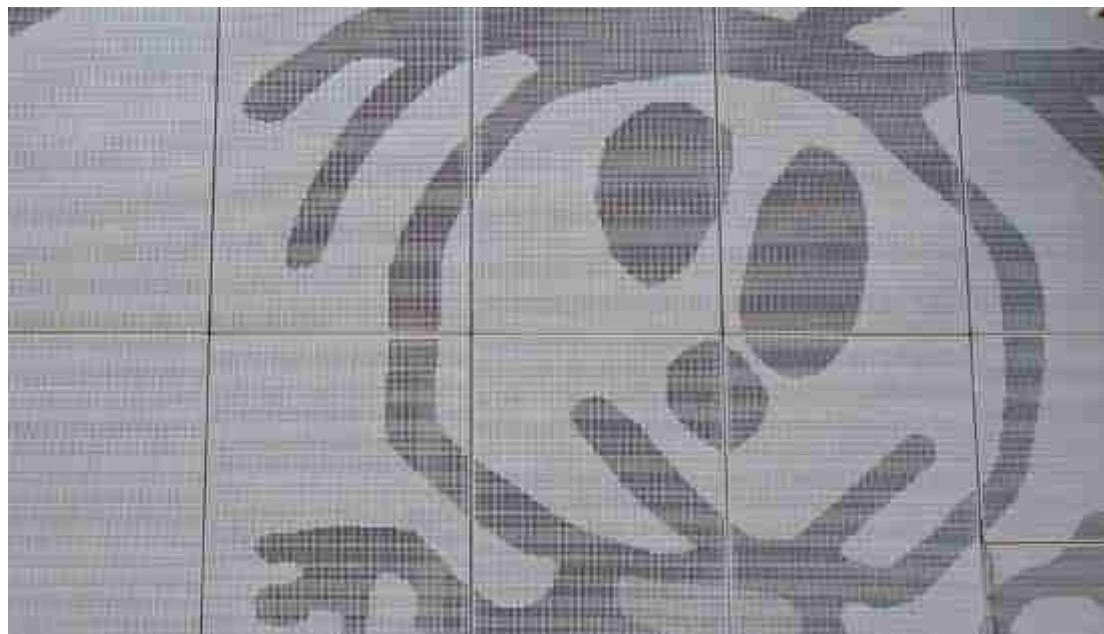
Centro de Proceso de Datos
Cerdanyola - España
Aluminio Anodizado

EDIFICIOS VITORIA-GASTEIZ

ROBERTO
ERCILLA

Residential Building & School
Vitoria-Gasteiz, Spain
Powder Coated Aluminium

Bloque de Viviendas y Escuela
Vitoria-Gasteiz, España
Aluminio Lacado





ROCKGYM JAÉN

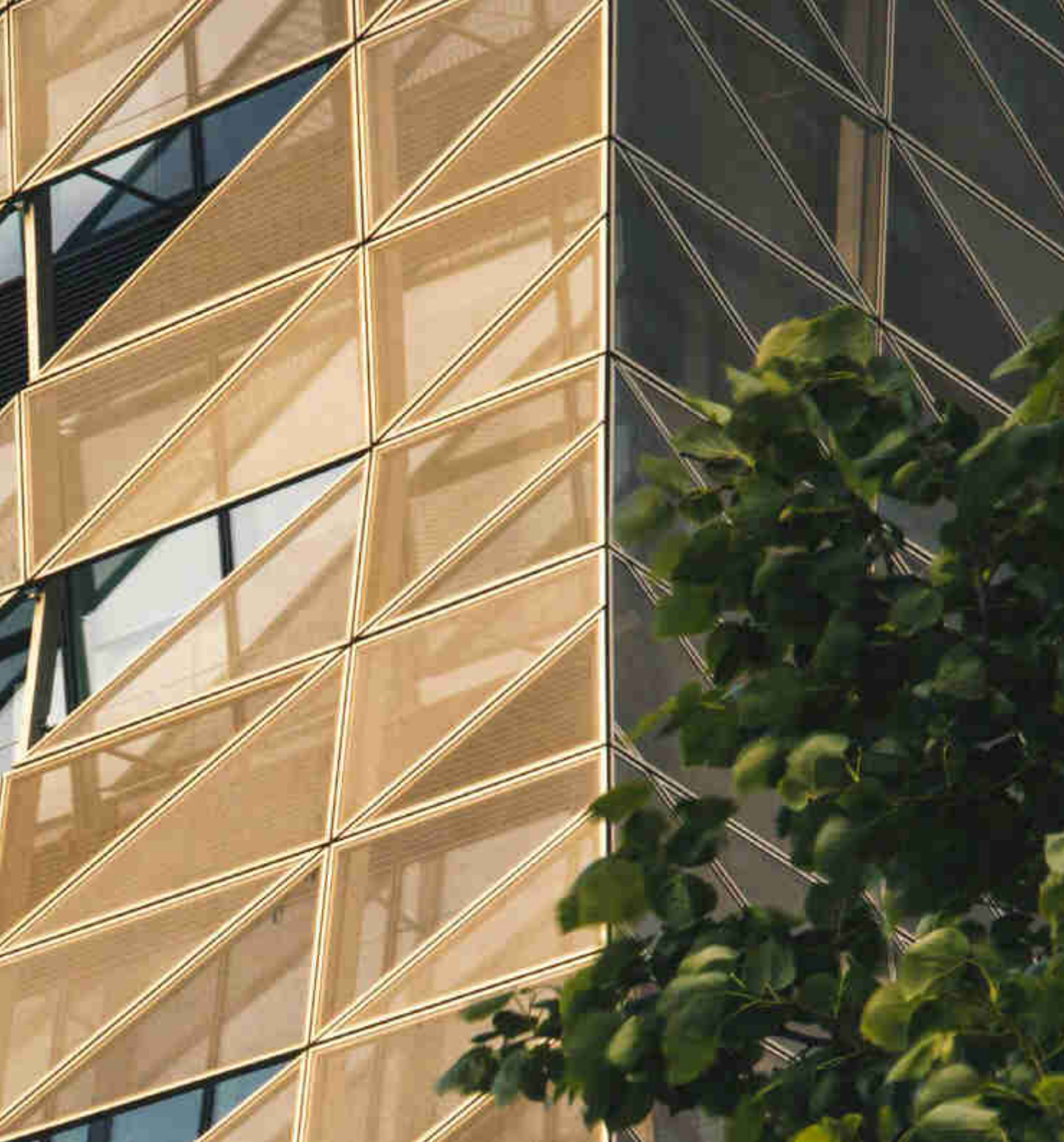
ANTONIO
SÁNCHEZ DEL PINO



Sports Club
Jaén - Spain
Powder Coated Aluminium

Club Deportivo
Jaén - España
Aluminio Lacado

IMAR NATURAL
MICROPERFORATION



A play of light in reinvented transparency. The image and light pass through a solid. Special effects that create an intimate feel. A subtle, gravity-free envelope that is almost volatile on one hand, and solid and robust on the other.

Juego de luces en la transparencia reinventada. La imagen y la luz atraviesan un sólido. Efectos especiales que dejan ver desde la intimidad. Envoltorio sutil, ingrávito y casi volátil por un lado, y sólido y contundente por el otro.

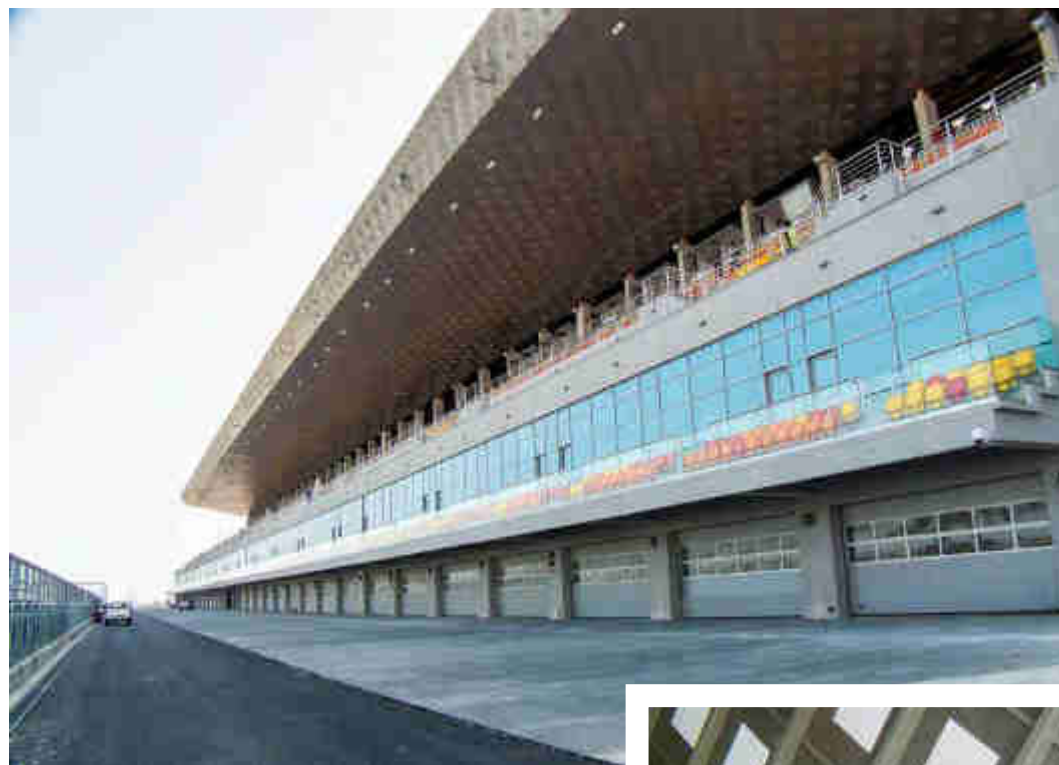
KULTUR ETXEA ROMO

TORRE
ELORDUY

Cultural Centre
Getxo - Spain
Corten Steel

Centro Cultural
Getxo - España
Acero Corten





KUWAIT MOTOR TOWN

TILKE ENGINEERS &
ARCHITECTS

Racetrack
Kuwait - Kuwait
Powder Coated Aluminium

Circuito de Carreras
Kuwait - Kuwait
Aluminio Lacado

OKE ORTUELLA

AQ4
Ibón Bilbao

Cultural Centre
Ortuella - Spain
Corten Steel

Centro Cultural
Ortuella - España
Acero Corten



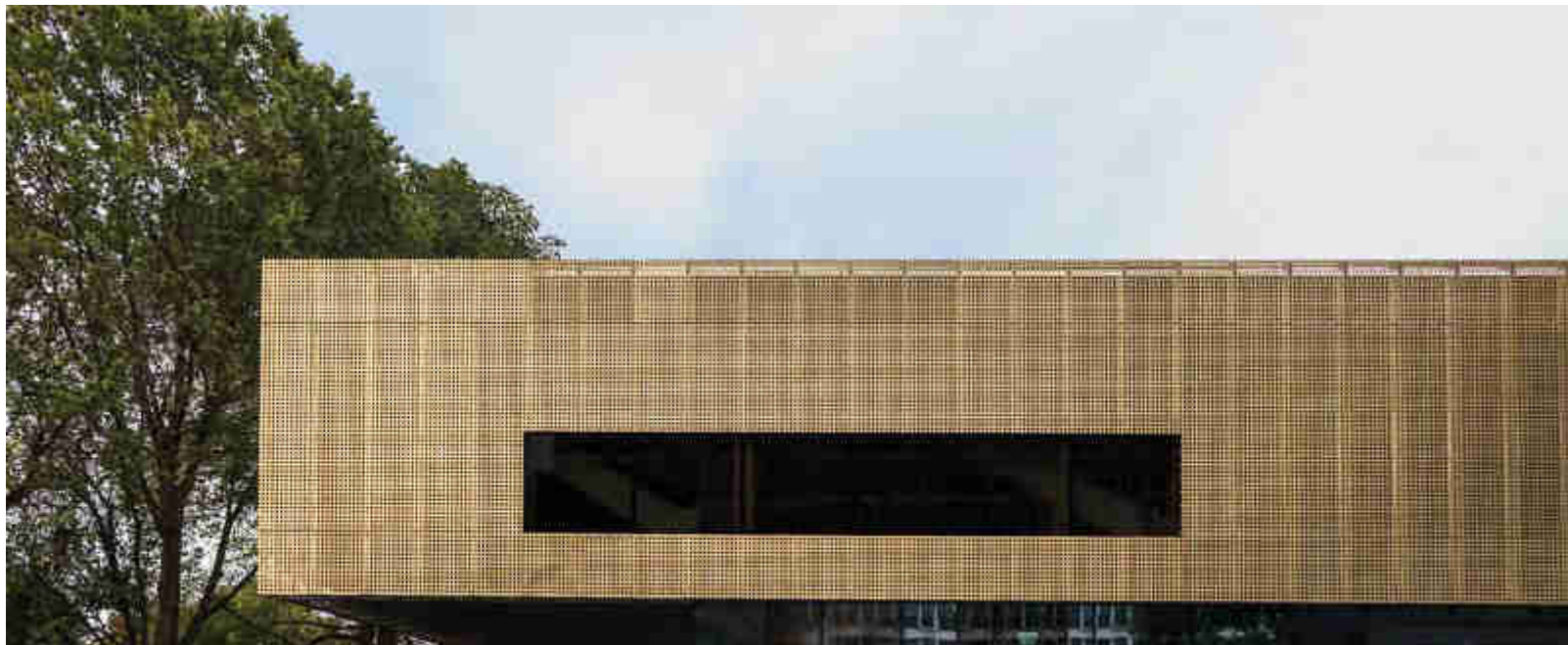


ADVANCED ENGINEERING CENTRE

HASELL
STUDIO

University Building
Brighton - UK
Anodized Aluminium

Edificio Universitario
Brighton - Reino Unido
Aluminio Anodizado





ESTADIO SAN MAMÉS

ACXT-IDOM
César Azcárate

Football Stadium
Bilbao - Spain
Powder Coated Galvanized Steel

Estadio de Fútbol
Bilbao - España
Acero Galvanizado Lacado



SAN ROQUE

SENER
ÁREA CIVIL Y ARQ.

Youth Leisure Space
Portugalete - Spain
Powder Coated Galvanized Steel

Aula Joven
Portugalete - España
Acero Galvanizado Lacado





ESPACIO JULUIS

Mo2
ARQUITECTURA

Mixed Use Building
Palencia - Spain
Corten Steel

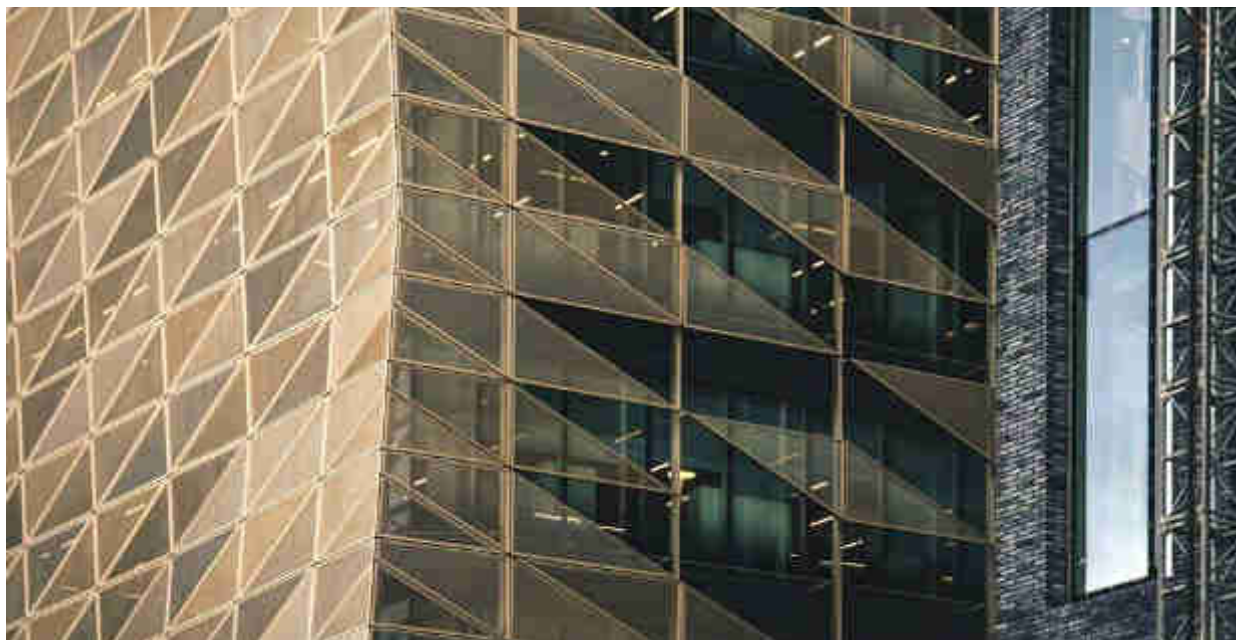
Edificio de Uso Mixto
Palencia - España
Acero Corten

CENTRAL BANK OF IRELAND

HENRY J LYONS
ARCHITECTS

Bank Headquarters
Dublin - Ireland
Anodized Aluminium

Sede Bancaria
Dublín - Irlanda
Aluminio Anodizado



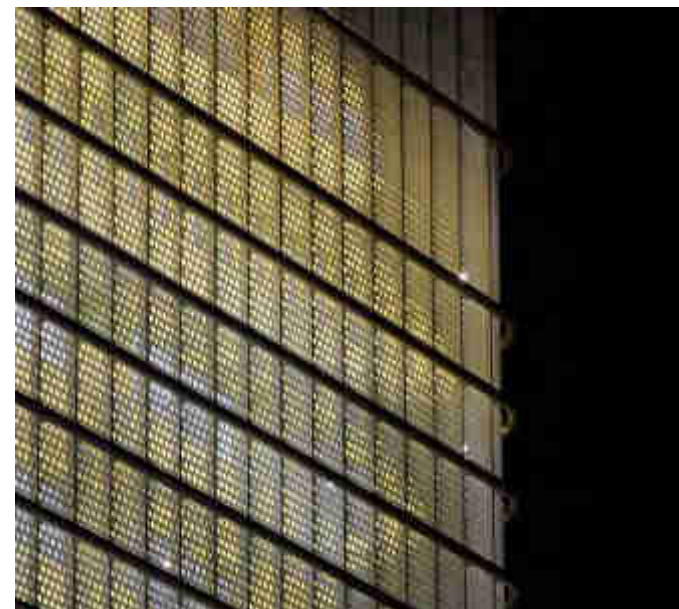


EDIFICIO ILUNION

RUIZ BARBARÍN
ARQUITECTOS

Façade Refurbishment
Madrid - Spain
Powder Coated Aluminium

Rehabilitación de Fachada
Madrid - España
Aluminio Lacado





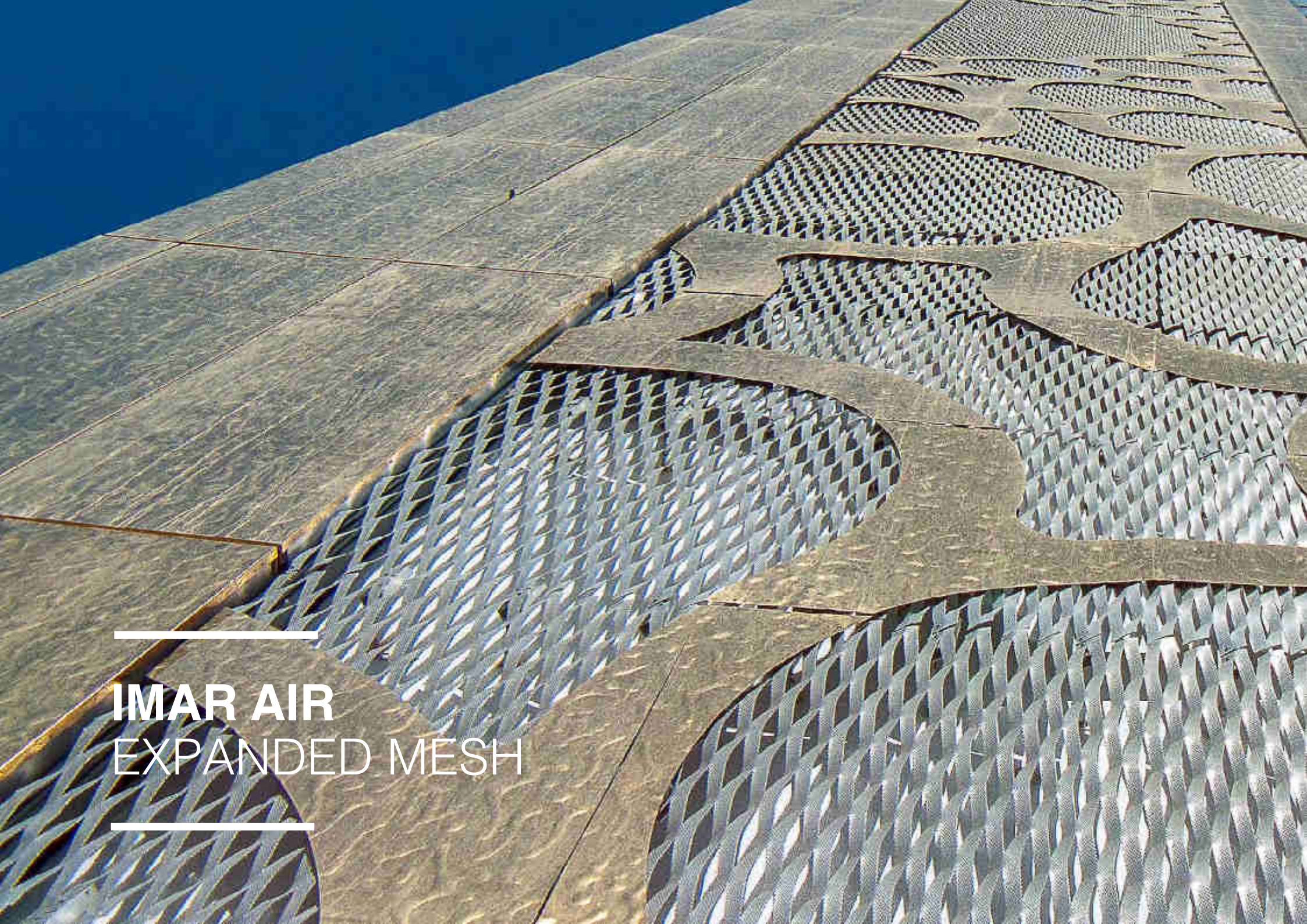
ARCHIVO HISTÓRICO

ACXT-IDOM
Gonzalo Carro



Administrative Building
Bilbao - Spain
Powder Coated Galvanized Steel

Edificio de Administración
Bilbao - España
Acero Galvanizado Lacado



IMAR AIR
EXPANDED MESH



Extension of light on an opaque surface. The creation of openings to the light, adjusted to transparency percentages. To make the best use of the material. An open metal that plays with angles of light at different times of the day.

Expansión de la luz en una superficie opaca. La creación de aberturas a la claridad ajustadas a porcentajes de transparencia. El máximo aprovechamiento de la materia. Metal abierto que juega con los ángulos de la luz en cada hora del día.

HOSPITAL UNIV. TXAGORRITXU

CHILE 15 - PARDO
TAPIA - BELDARRAIN

Medical Building
Vitoria Gasteiz - Spain
Powder Coated Galvanized Steel

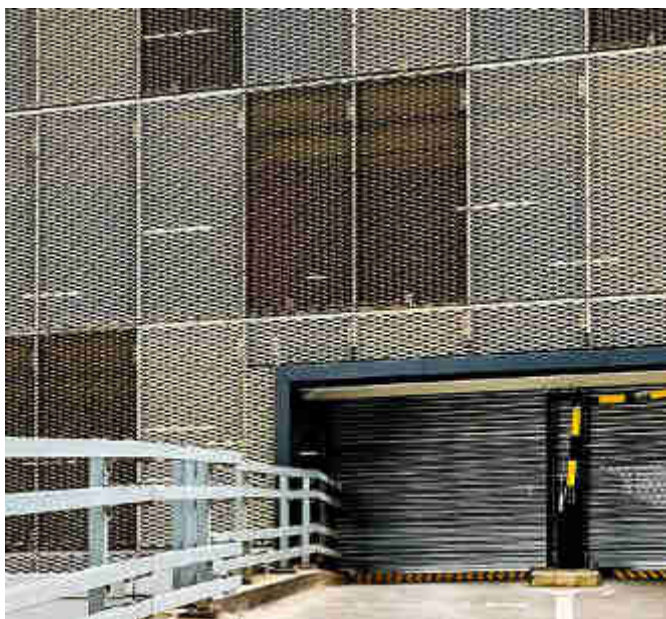
Edificio Clínico
Vitoria Gasteiz - España
Acero Galvanizado Lacado





ROTHERHAM MSCP

JEFFERSON SHEARD
ARCHITECTS



Intermodal Transportation Hub
Yorkshire - UK
Anodized Aluminium

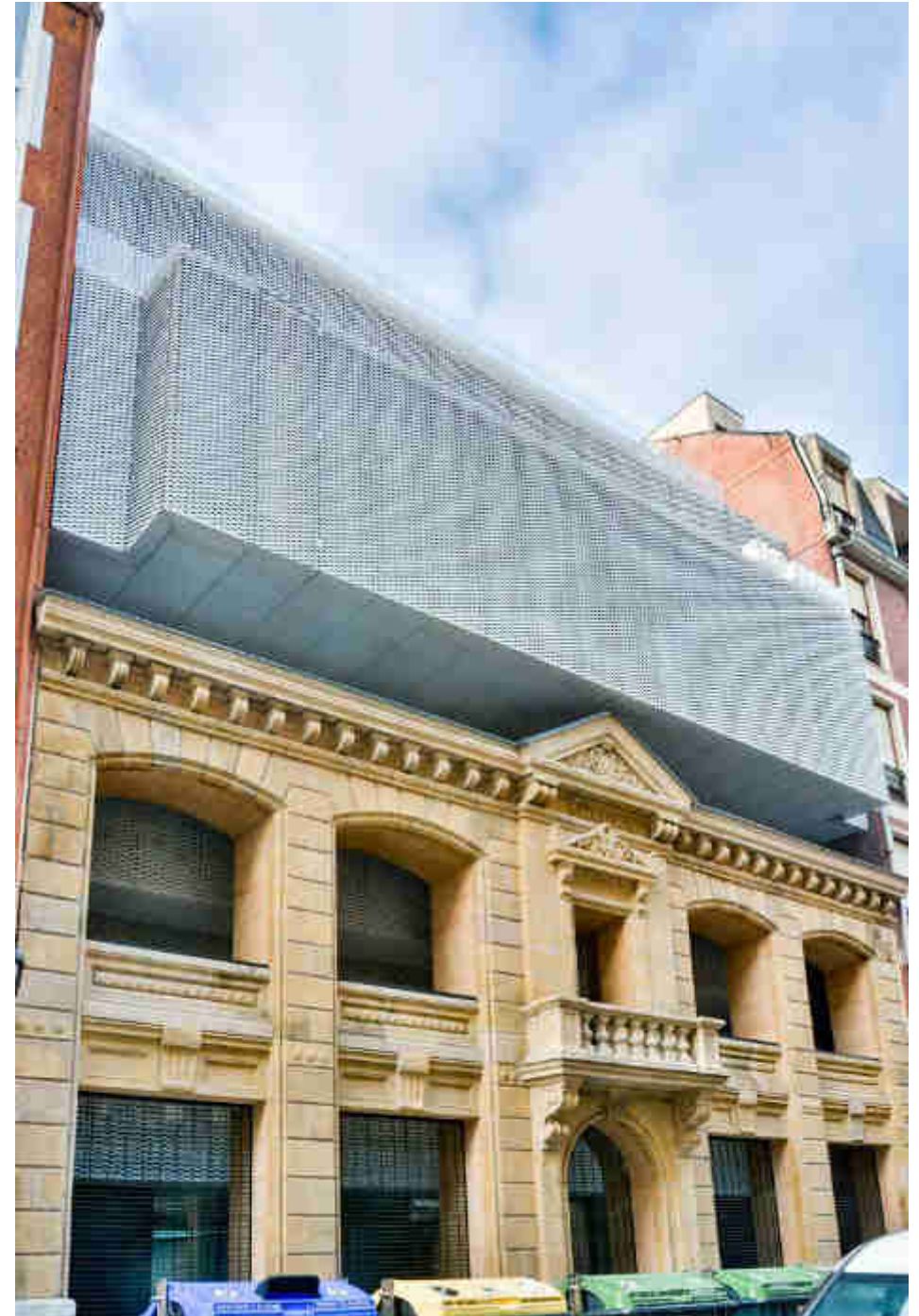
Intercambiador de Transporte
Yorkshire - Reino Unido
Aluminio Anodizado

CMD ABANDO

PERALTA AYESA

Municipal Centre Refurbishment
Bilbao - Spain
Powder Coated Galvanized Steel

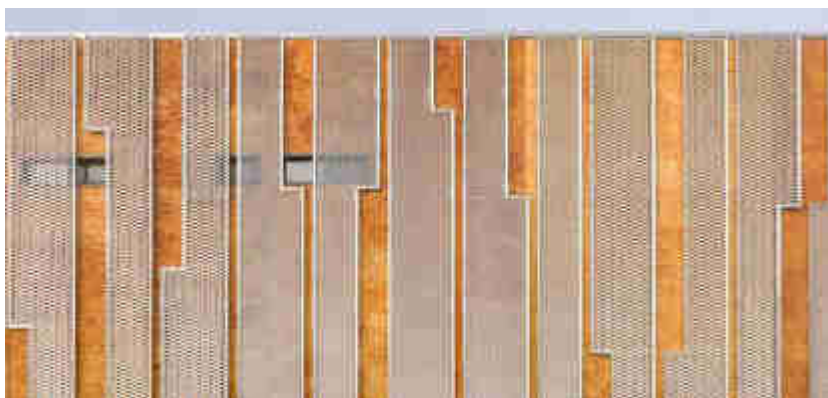
Remodelación Centro Municipal
Bilbao - España
Acero Galvanizado Lacado





BODEGAS JOSÉ PARIENTE

JOSE CARLOS
ANASAGASTI



Winery Façade Refurbishment
Valladolid - Spain
Anodized Aluminium

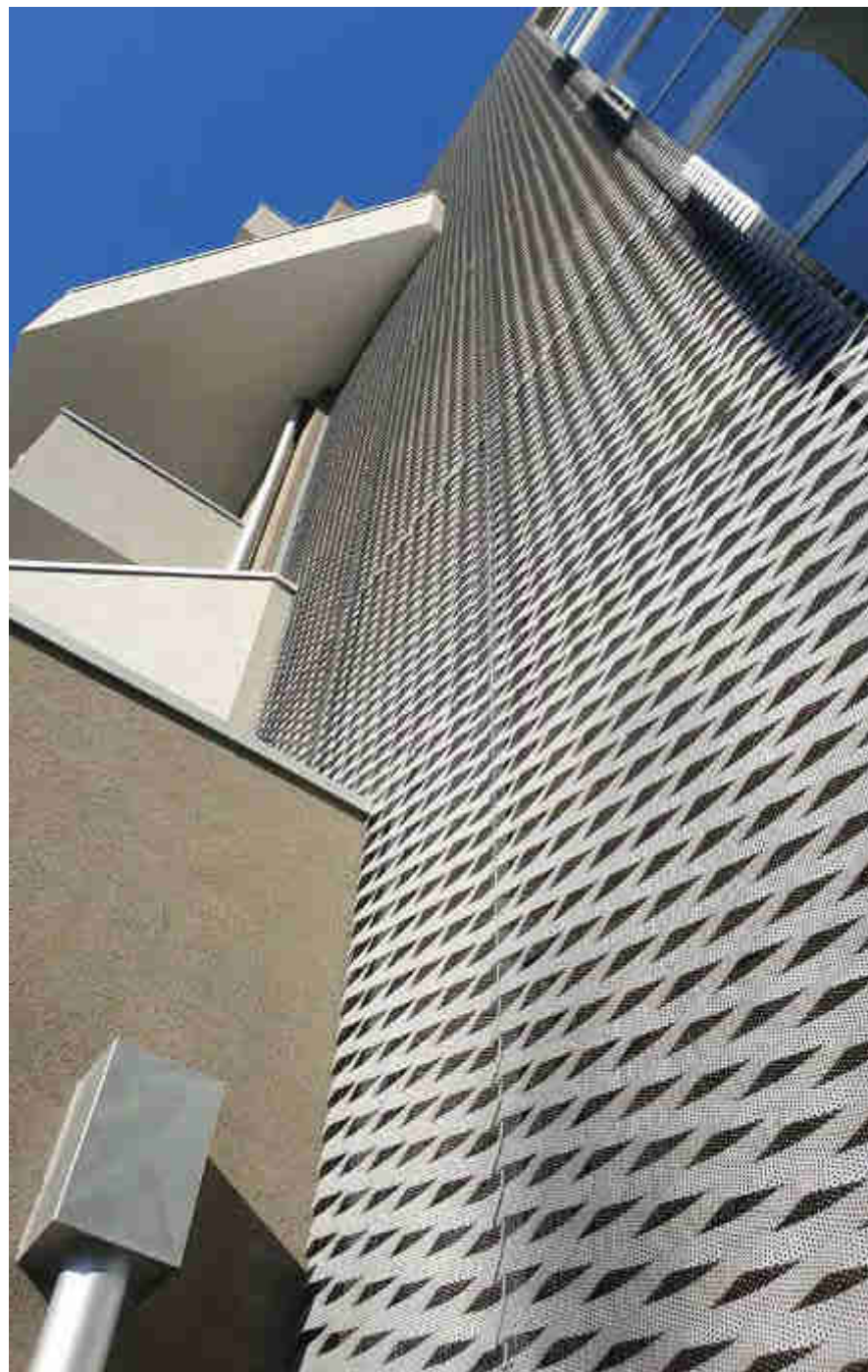
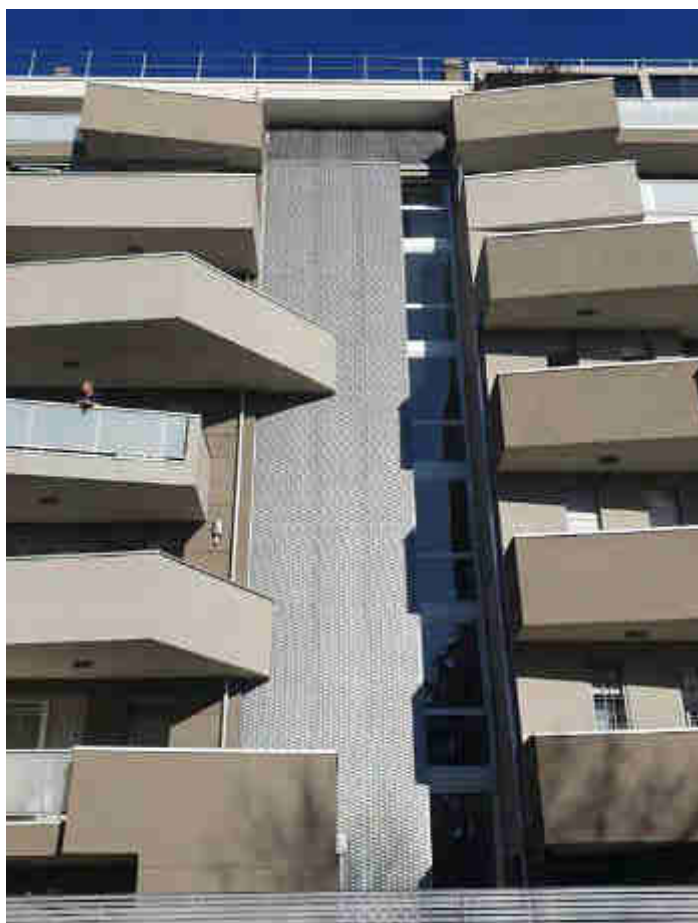
Rehabilitación Fachada Bodega
Valladolid - España
Aluminio Anodizado

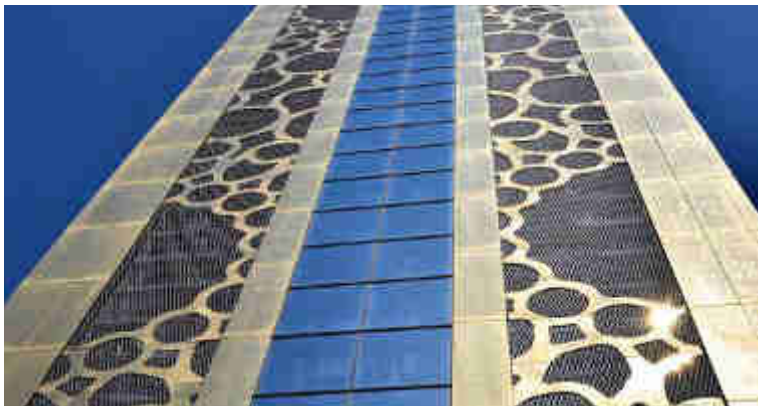
VIA BERTELLI

DIPIERRI
COSTRUZIONI

Residential Building
Bologna - Italy
Powder Coated Aluminium

Edificio de Viviendas
Bologna - Italia
Aluminio Lacado





DUBAI FRAME

FERNANDO DONIS
Dubai Municipality

Museum and Viewpoint
Dubai - United Arab Emirates
Powder Coated Aluminium

Museo y Mirador
Dubai - Emiratos Árabes Unidos
Aluminio Lacado

UNIVERSIDAD CETYS

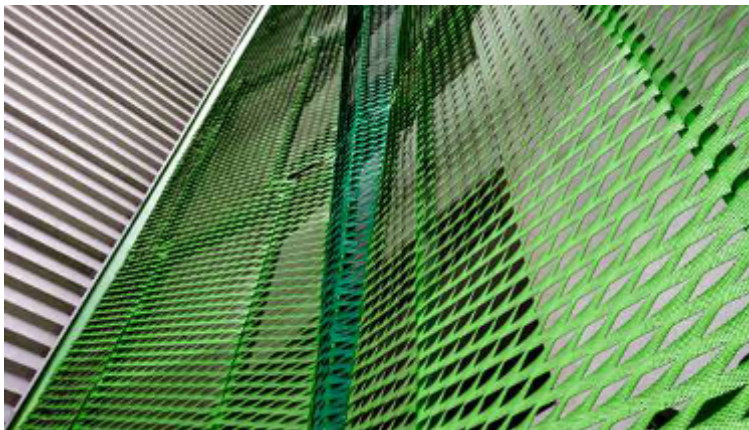
STUDIO HUERTA



University College
Baja California - Mexico
Powder Coated Aluminium

Facultad Universitaria
Baja California - México
Aluminio Lacado





UNIV. ECCI CRISANTO LUQUE

DIDIER RINCÓN

University Facilities Refurbishment
Bogota - Colombia
Powder Coated Aluminium

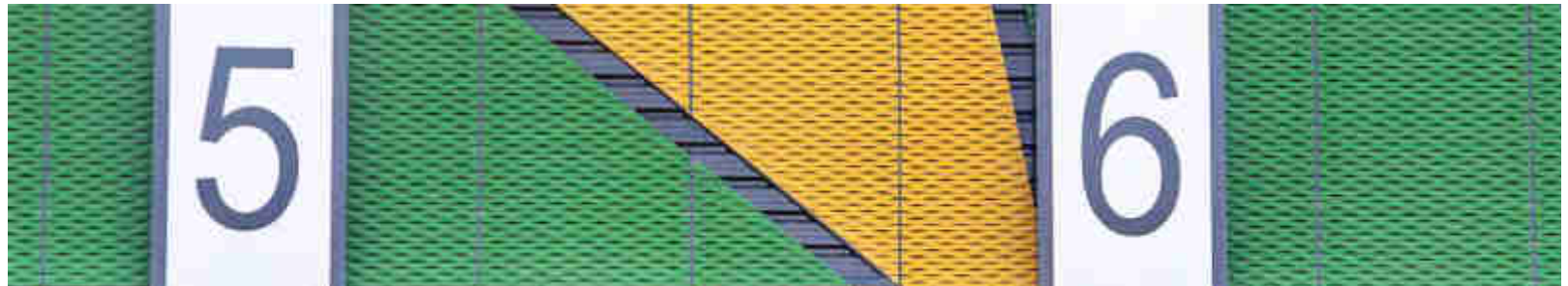
Remodelación Edificio Universitario
Bogotá - Colombia
Aluminio Lacado

UDAPA

ARQUITELIA

Distribution Centre
Vitoria Gasteiz - Spain
Powder Coated Aluminium

Centro de Distribución
Vitoria Gasteiz - España
Aluminio Lacado





RYERSON UNIV. CENTRE

MORIYAMA &
TESHIMA



University College
Toronto - Canada
Anodized Aluminium

Facultad Universitaria
Toronto - Canadá
Aluminio Anodizado

5 CITY CENTER

JDAVIS
ARCHITECTS

Parking Garage
Allentown, Pennsylvania - USA
Anodized Aluminium

Aparcamiento
Allentown, Pensilvania - USA
Aluminio Anodizado





MIDTOWN CAR PARK

LOVELOCK
MITCHELL

Coach & Car Park
Gibraltar - UK
Gold & Silver Anodized Aluminium

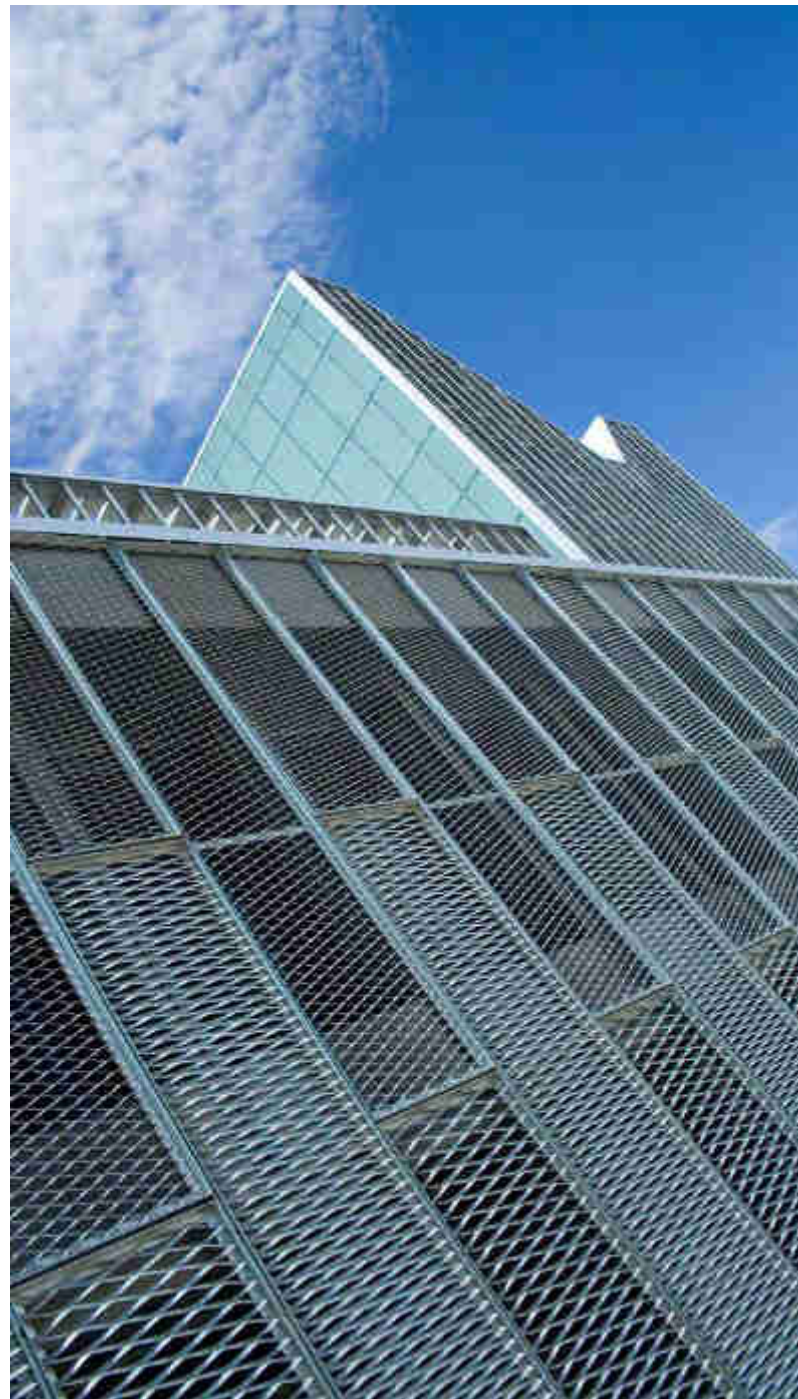
Aparcamiento y Estación Bus
Gibraltar - Reino Unido
Aluminio Anodizado Oro y Plata

PALACIO CONGRESOS

NIETO SOBEJANO

Exhibition Centre
Zaragoza - Spain
Anodized Aluminium

Centro de Congresos
Zaragoza - España
Aluminio Anodizado





UNIVERSITY OF HERTFORDSHIRE

SHEPPARD
ROBSON

University Building
Hatfield - UK
Powder Coated Aluminium

Edificio de Universidad
Hatfield - Reino Unido
Aluminio Lacado

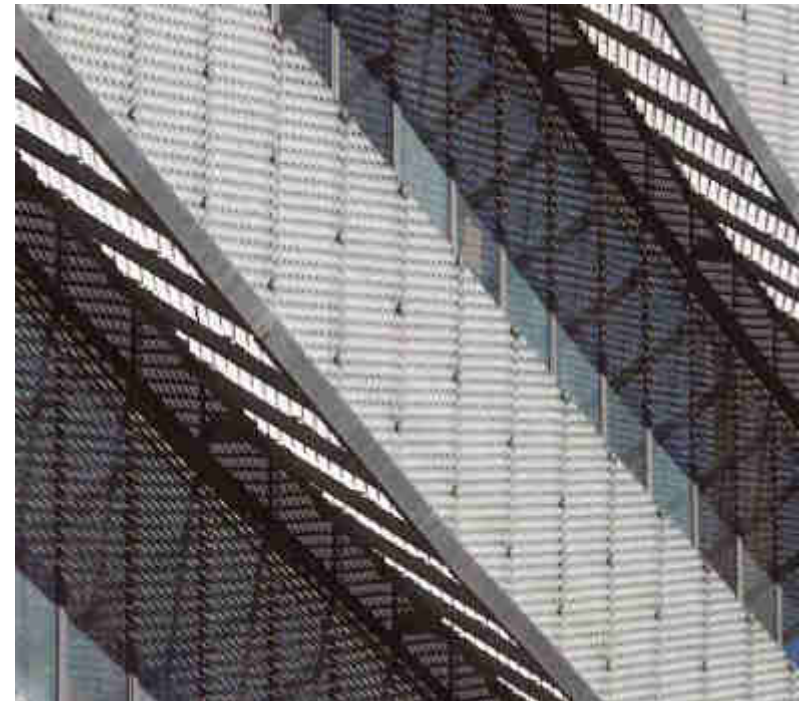
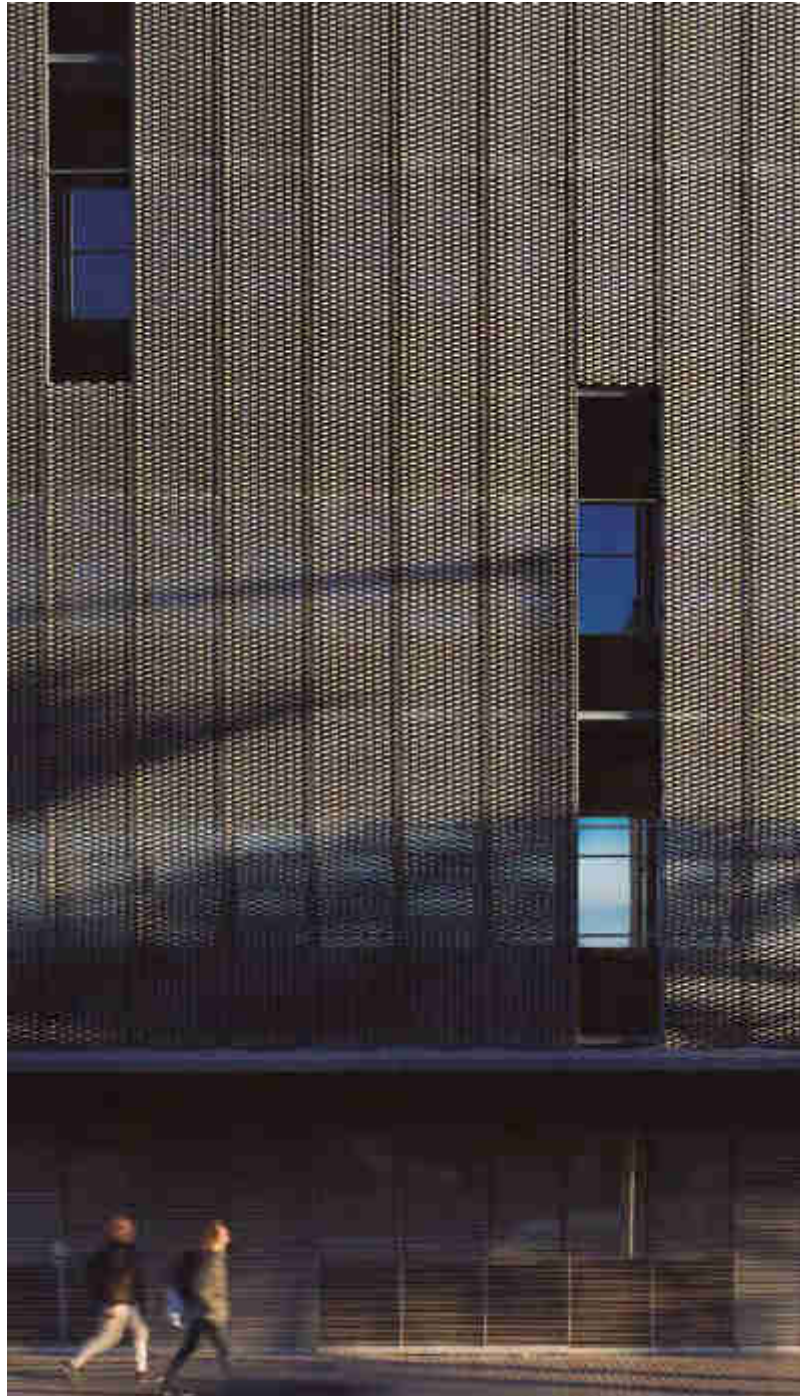


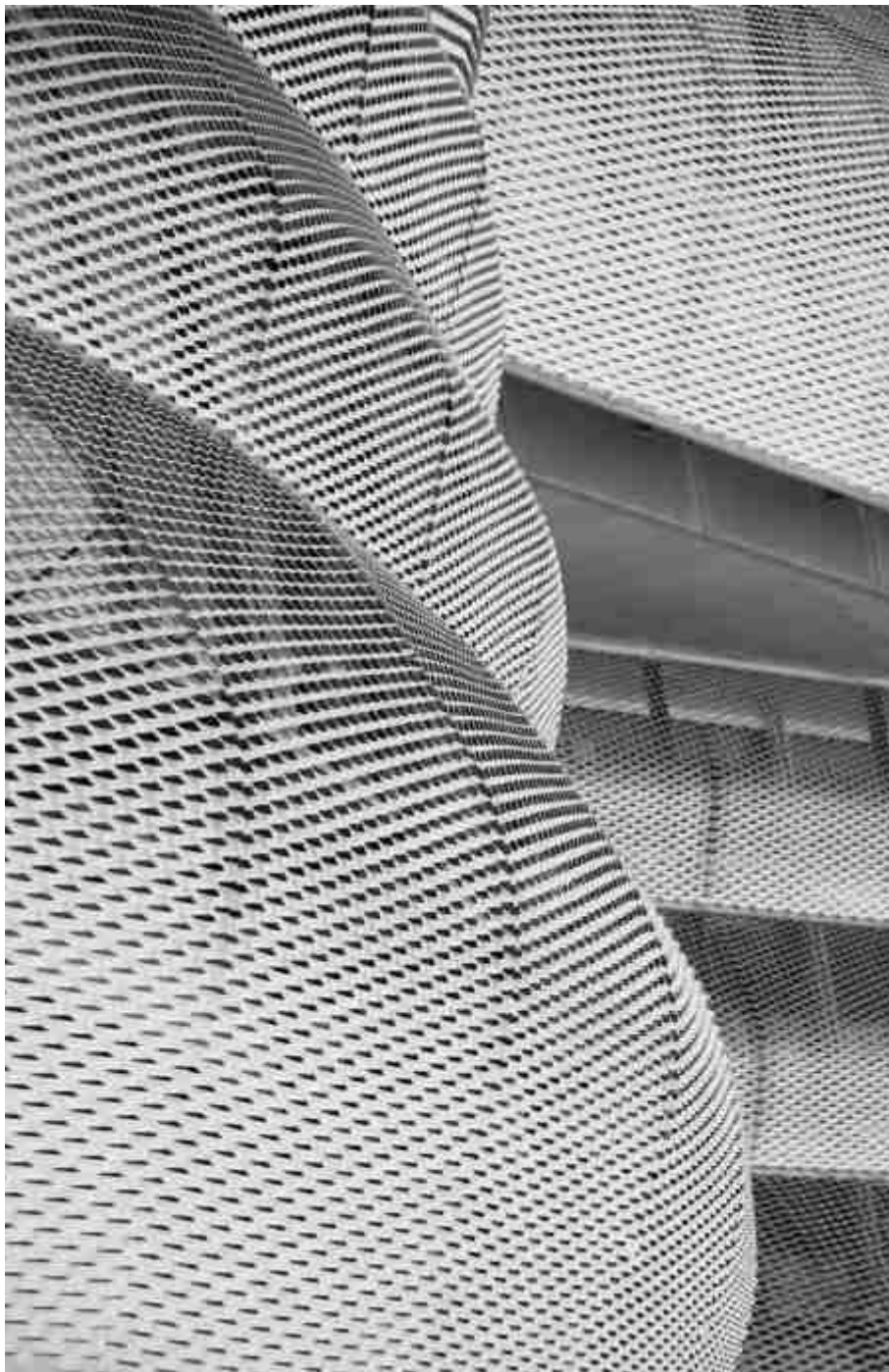
HOSPITAL DEL MAR

ALBERT PINEDA
MANEL BRULLET

Public Hospital
Barcelona - Spain
Pre-galvanized Powder Coated Steel

Hospital Público
Barcelona - España
Acero Pregalvanizado Lacado





MERCAT DE RUBÍ

MÍAS
ARQUITECTES

Public Market
Rubí - Spain
Anodized Aluminium

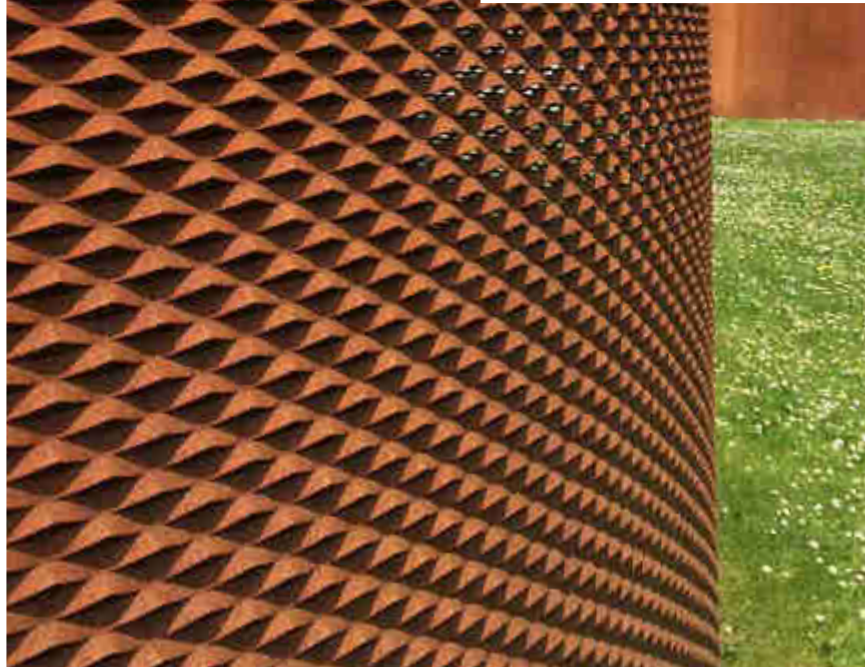
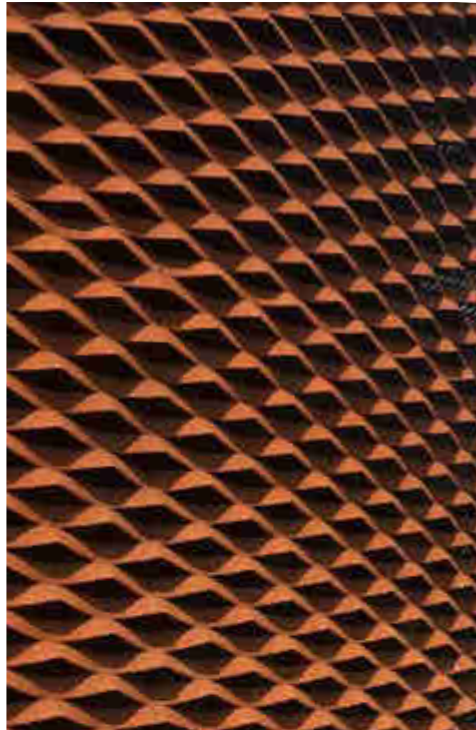
Mercado Público
Rubí - España
Aluminio Anodizado

MIHL LUGO

NIETO SOBEJANO

Interactive Museum
Lugo - Spain
Corten Steel

Museo Interactivo
Lugo - España
Acero Corten



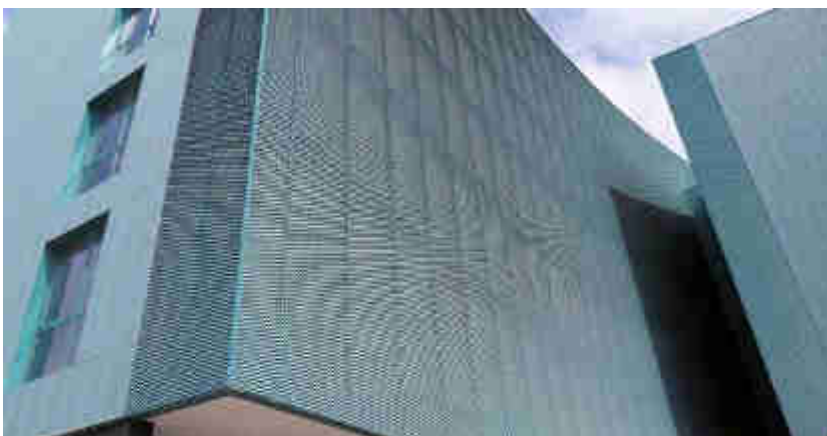


VIVIENDAS LOGROÑO

TOYO ITO

Residential Building
Logroño - Spain
Powder Coated Galvanized Steel

Edificio de Viviendas
Logroño - España
Acero Galvanizado Lacado

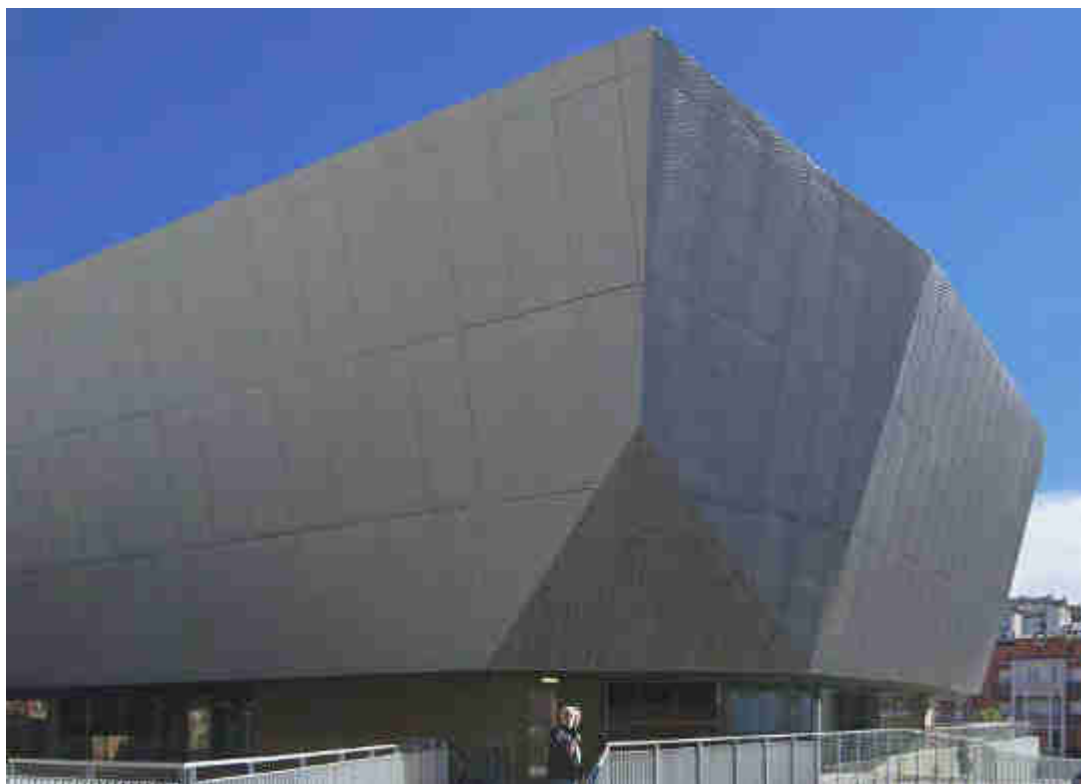


MERCADO STA. COLOMA

PICH ARCHITECTS

Public Market
Barcelona - Spain
Powder Coated Aluminium

Mercado Público
Barcelona - España
Aluminio Lacado





EDIFICIO TABAKALERA

JON & NAIARA
MONTERO



Contemporary Culture Centre
San Sebastian - Spain
Powder Coated Aluminium

Centro de Cultura Contemporánea
San Sebastián - España
Aluminio Lacado

VIVIENDAS ZIZUR

ALFONSO
ALZUGARAY

Residential Building
Zizur Mayor - Spain
Anodized Aluminium

Edificio de Viviendas
Zizur Mayor - España
Aluminio Anodizado





UPV PARQUE CIENTÍFICO

ACXT-IDOM
Gonzalo Carro



University Science Park
Leioa - Spain
Powder Coated Aluminium

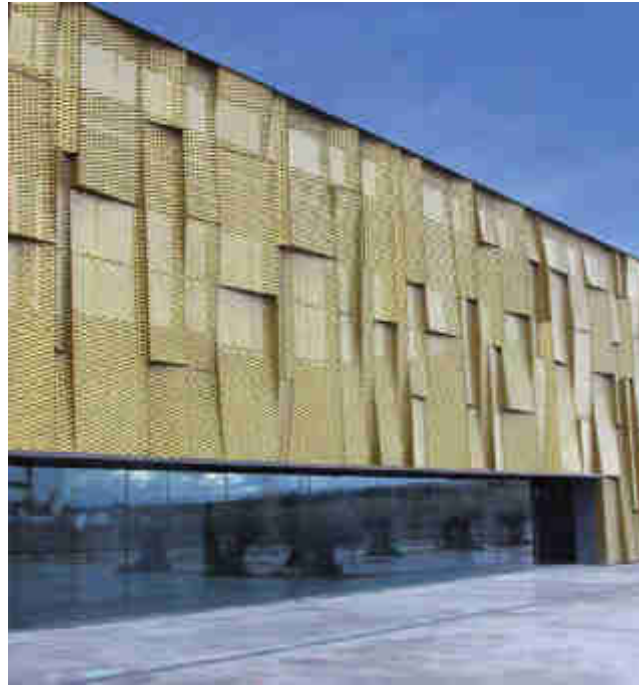
Parque Científico Universitario
Leioa - España
Aluminio Lacado

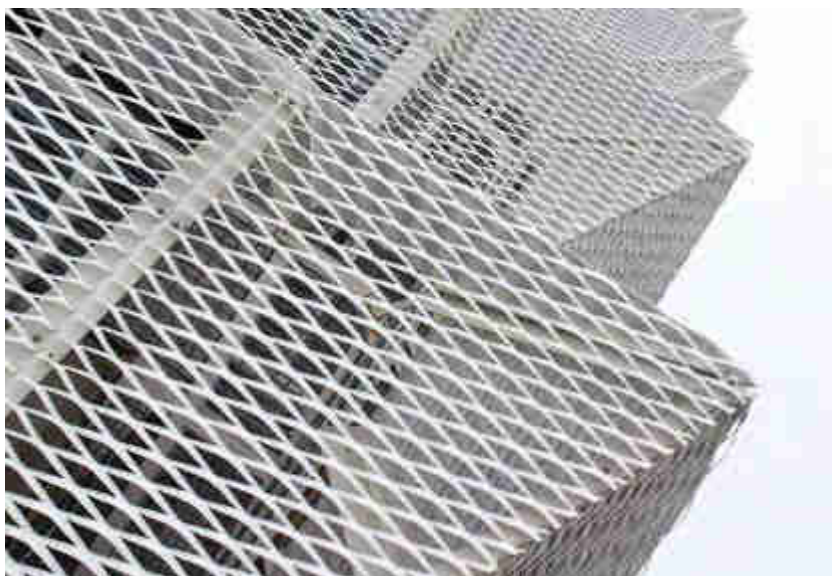
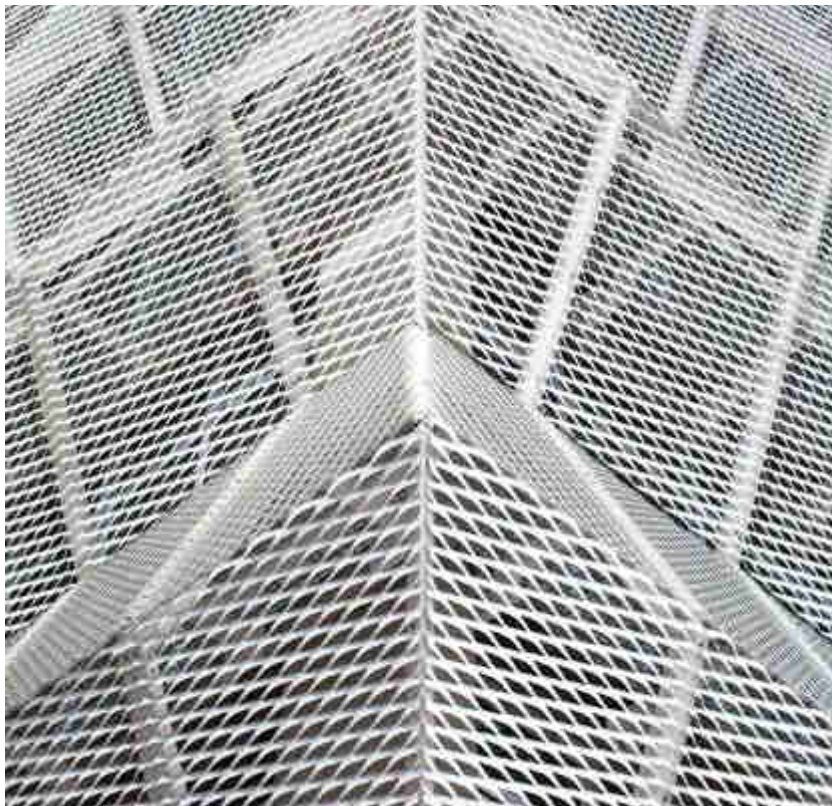
MUSEO TERRA OLEUM

ANTONIO
SÁNCHEZ DEL PINO

Olive Oil Museum
Jaén - Spain
Powder Coated Galvanized Steel

Museo del Aceite de Oliva
Jaén - España
Acero Galvanizado Lacado





TORRE LIBERTAD

SPRB
ARQUITECTOS

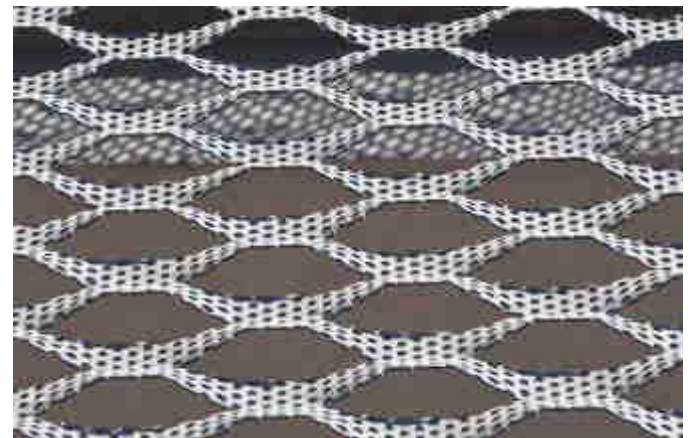
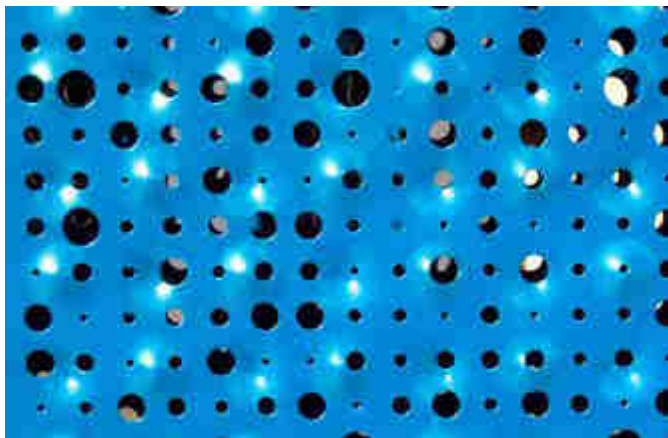
Façade Refurbishment
Guadalajara - Mexico
Powder Coated Aluminium

Rehabilitación Fachada
Guadalajara - México
Aluminio Lacado

INSPIRING PROJECTS

MISCELLANEOUS









The image shows the interior of a restaurant named IMAR Constellation. The most striking feature is the ceiling, which has a complex, wavy, undulating pattern that resembles a starry night sky or a constellation. The ceiling is illuminated with warm, golden light. The room is furnished with round tables covered in white tablecloths and wooden chairs. Several large, white, cylindrical columns are positioned throughout the space. In the background, a kitchen area is visible with a chef working. The overall atmosphere is modern and sophisticated.

IMAR CONSTELLATION

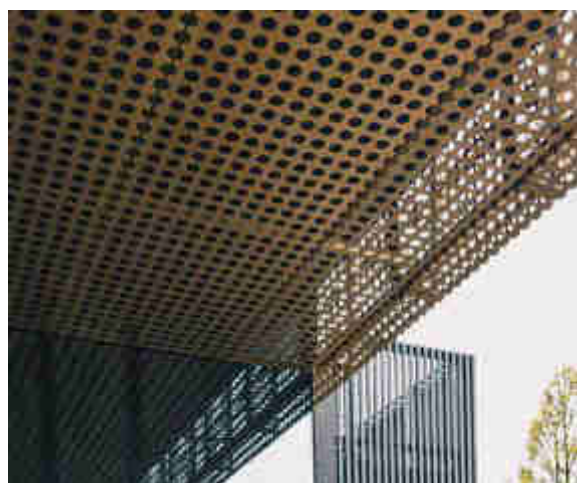
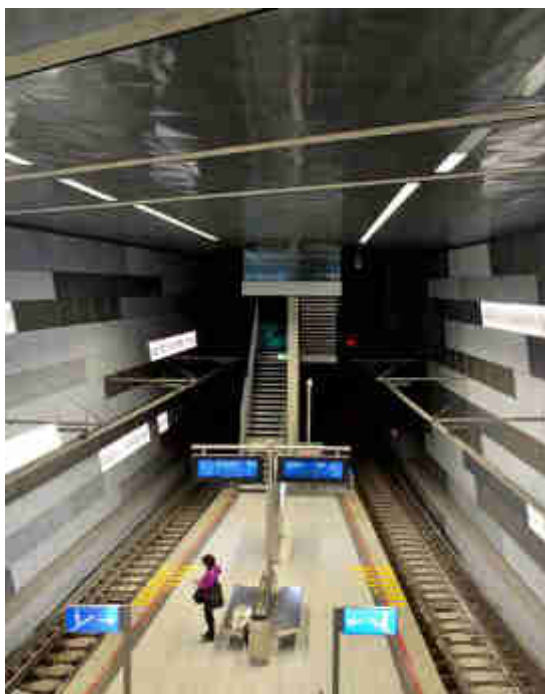
UNIQUE CEILINGS



Superb design. An original proposition that will inevitably invite you to look upwards. Beauty and design are also possible in zenith surfaces to create very personal, unique spaces. The ceiling integrates into the space and is a part of the whole, incorporating skylights and other security systems.

Diseño por todo lo alto. Una original propuesta que le hará levantar la vista. La belleza y el diseño también son posibles en superficies cenitales para crear espacios muy personales, únicos. El techo se integra en el espacio y forma parte del todo incorporando luminarias y otros sistemas de seguridad.





IMAR GREEN ECO FRIENDLY

In IMAR we analyze each project depending on its location and use, and we monitor all our processes to minimize the environmental impact of our solutions.

- We optimize the efficiency of a building by minimizing the impact of solar radiation on the interior without eliminating natural light.
- We select the most suitable raw materials for each project, and define the minimum thickness required and the least possible waste of material.
- We use raw materials that contain high percentages of recyclable materials.
- We recycle all the materials used in production processes.

En IMAR analizamos cada proyecto según su ubicación y uso, y controlamos cada uno de los procesos para minimizar el impacto medioambiental de nuestras soluciones.

- Optimizamos la solución para que disminuya la radiación solar en el interior sin eliminar la iluminación natural.
- Seleccionamos las materias primas más adecuadas para cada proyecto y definimos el mínimo espesor necesario y el mínimo desperdicio de material.
- Utilizamos materias primas con altos porcentajes de materiales reciclados en su composición.
- Reciclamos la totalidad de los residuos de todos nuestros procesos productivos.



MULTITUDE OF FINISHES

MULTITUD DE ACABADOS



Imar offers a wide range of standard and special colours that improve corrosion resistance. Powder finishes in any RAL colour, anodized in colour for external architectural applications and special metal, iridescent and textured finishes that imitate different materials and varnishes.

Imar ofrece una amplia gama de colores estándar y especiales que mejoran la resistencia a la corrosión. Acabados en polvo en cualquier color RAL, anodizados en color para aplicaciones arquitectónicas externas y acabados especiales metálicos, tornasolados y texturizados que imitan diferentes materiales y pátinas.

ADDED VALUE

VALOR AÑADIDO

BESPOKE SOLUTIONS

SOLUCIONES A MEDIDA



To meet aesthetics, performance and budget needs.

Damos respuesta a los requerimientos estéticos, técnicos y presupuestarios.

ENDLESS POSSIBILITIES

INFINITAS POSIBILIDADES



Through a broad range of materials, production processes and finishes.

Una gran variedad de materiales, procesos y acabados.

KNOW-HOW

CONOCIMIENTO



Acquired from producing more than 1 million square metres since 2000.

Adquirido en la producción de más de 1 millón de m² desde 2000.

HOLISTIC APPROACH

ENFOQUE INTEGRAL



From engineering and design services to systems and products to be installed.

Desde los servicios de ingeniería y diseño, hasta los sistemas y productos a instalar.

GLOBAL REACH

ALCANCE GLOBAL



Spanning more than 30 countries in 4 continents.

En más de 30 países de cuatro continentes.

COMMITMENT

COMPROMISO



Towards innovation and continuous improvement.

En la innovación y la mejora continua.

HERITAGE

EXPERIENCIA



Metal solutions since 1931.

Soluciones Metálicas desde 1931.

EXCELLENCE

EXCELENCIA



Delivering on a promise from service to finished products.

Cumplimos las expectativas en servicio y producto.

ADVANCED TECHNOLOGY

TECNOLOGÍA AVANZADA



Guaranteeing reliability and quality standards.

Garantizamos la fiabilidad y los estándares de calidad más exigentes.

COLLABORATIVE APPROACH

ENFOQUE COLABORATIVO



To problem solutions with partners in line with common goals.

Garantizamos soluciones efectivas en todas las etapas del proceso.

DEFINITION OF YOUR PROJECT

DEFINICIÓN DE SU PROYECTO



01 USE

USO

Façades
Fachadas

Ceilings
Techos

Fencing systems
Cerramientos

Balustrades
Balaustradas

Metal Work
Metalistería

Industrial Applications
Aplicaciones Industriales

02 MATERIALS

MATERIALES

Aluminium
Aluminio

Steel
Acero

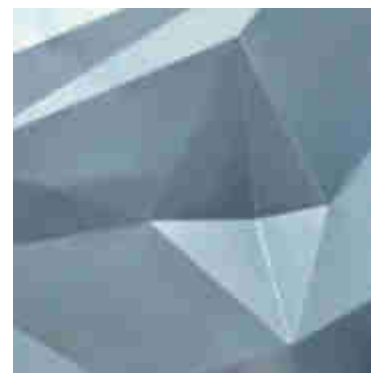
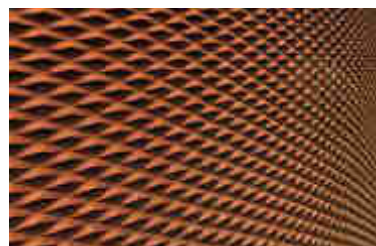
Corten Steel
Acero Corten

Stainless Steel
Acero Inoxidable

Copper
Cobre

Zinc
Zinc

Titanium
Titanio



03 PROCESSES

PROCESOS

Perforated
Perforado

Expanded
Expandido

Embossed
Embutido

Textured
Texturado

Bended
Plegado

04 FINISHES

ACABADOS

Liquid and Powder Coating
Pintura líquida y en polvo

Anodized
Anodizado

Galvanized
Galvanizado

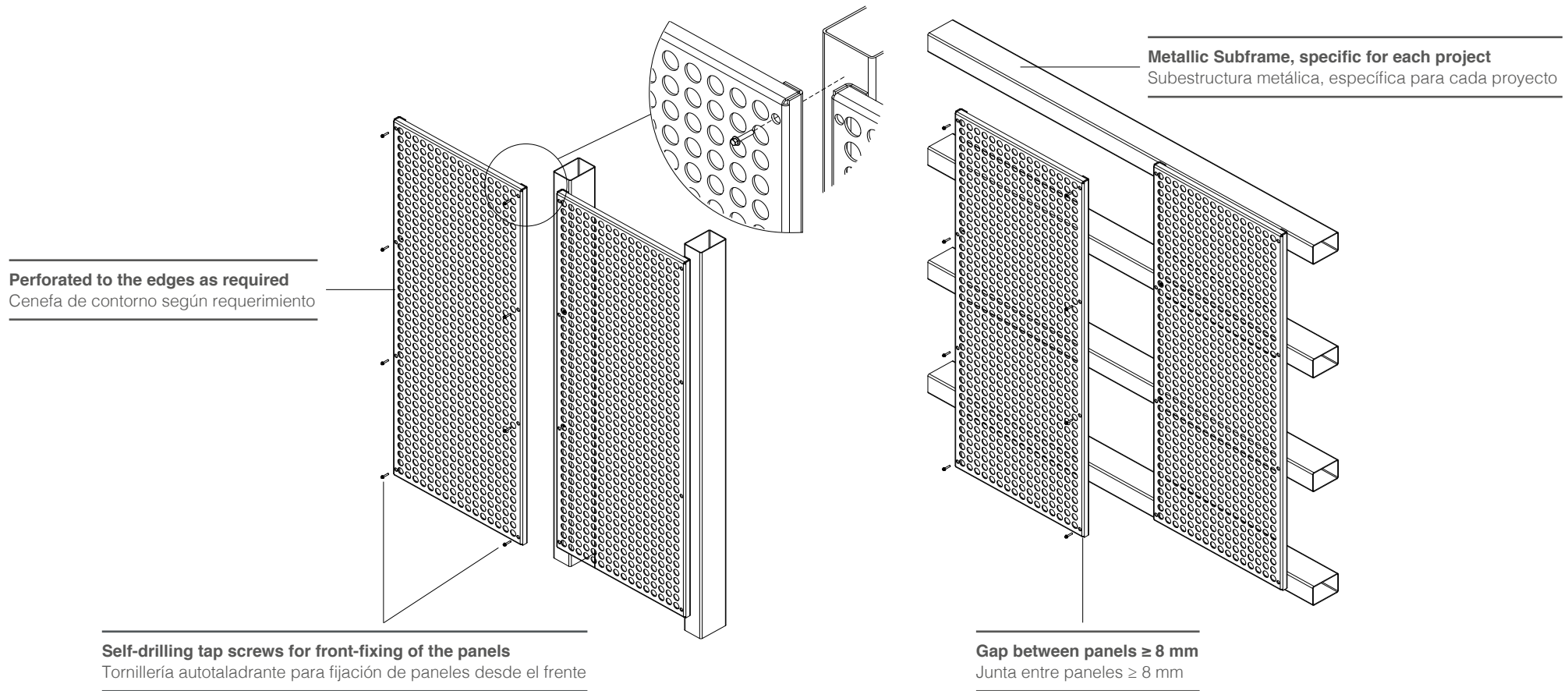
Polished
Pulido



INSTALLATION PROPOSALS

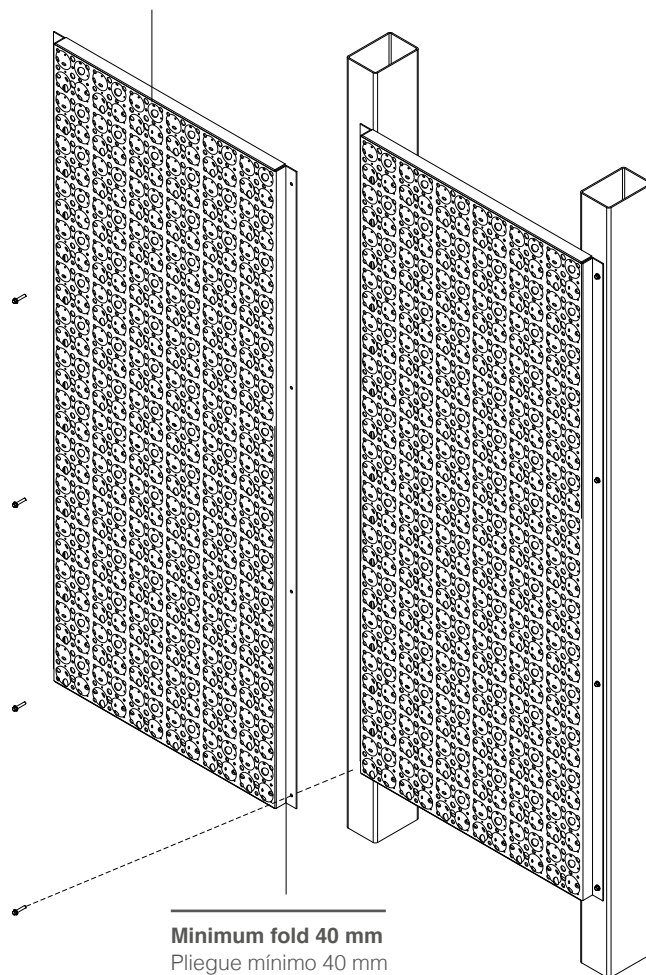
PROPUESTAS DE INSTALACIÓN

Minimum Gap Panels
Paneles junta mínima



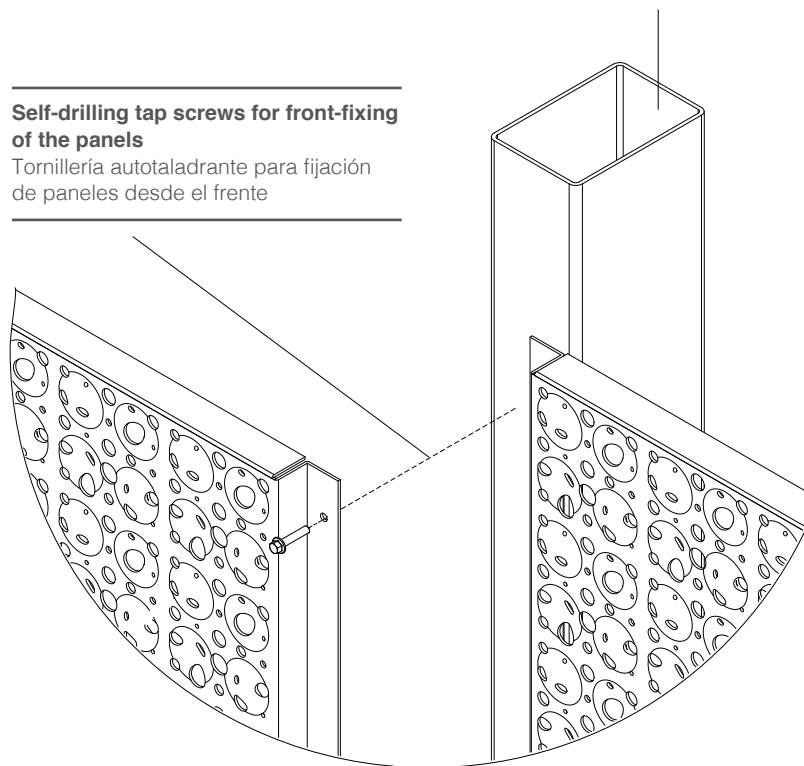
Visible Joint Panels Paneles junta marcada

Perforated to the edges as required
Cenefa de contorno según requerimiento

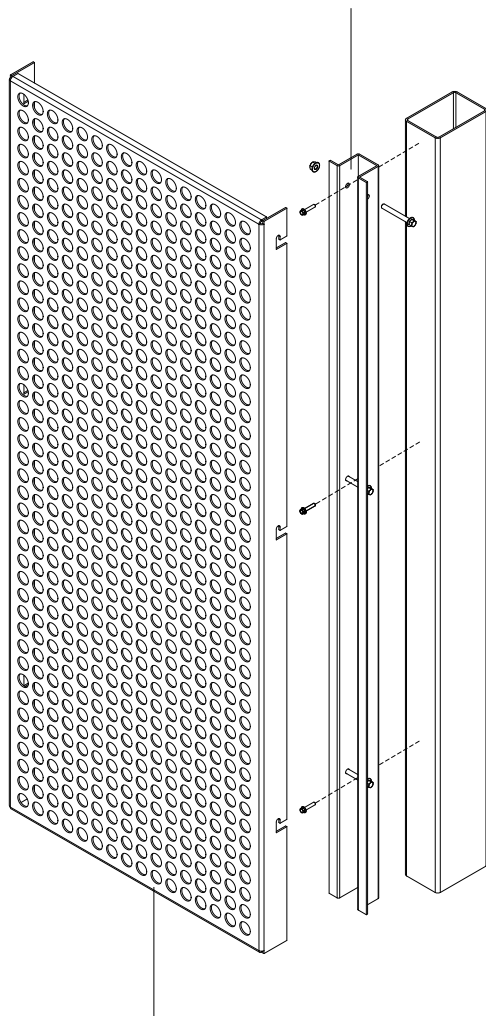


Metallic Subframe, specific for each project
Subestructura metálica, específica para cada proyecto

**Self-drilling tap screws for front-fixing
of the panels**
Tornillería autotaladrante para fijación
de paneles desde el frente



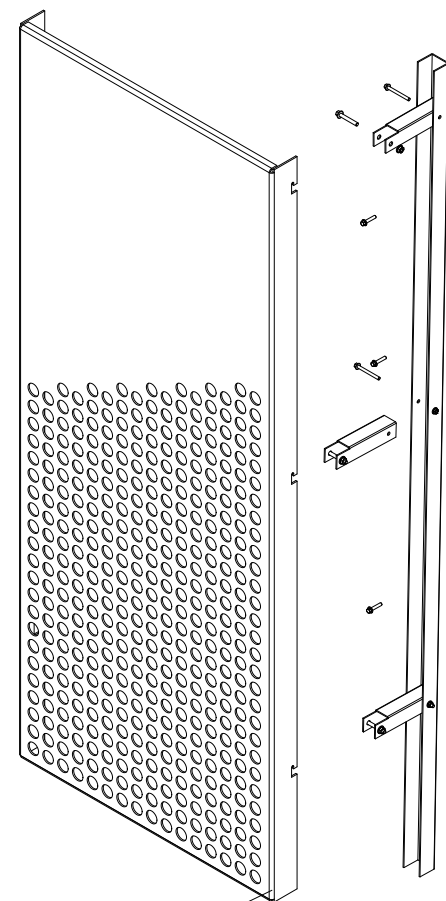
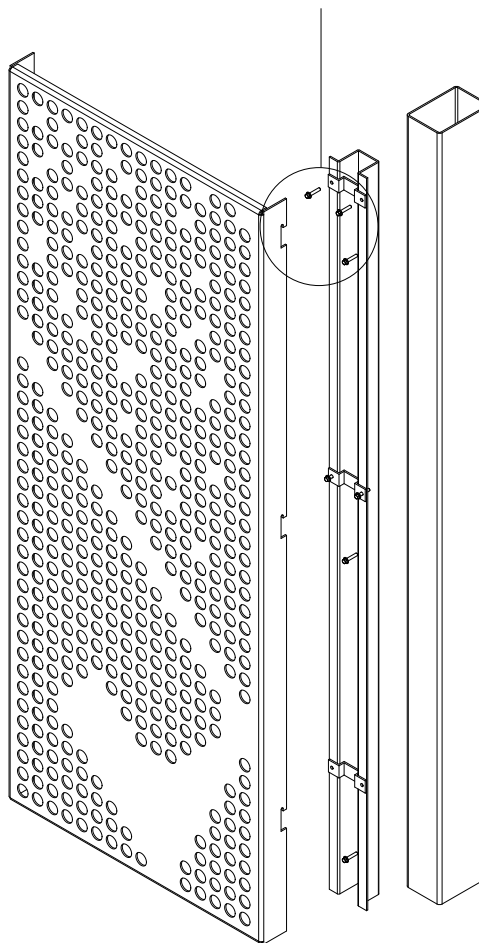
Metallic Subframe, specific for each project
Subestructura metálica, específica para cada proyecto



Perforated to the edges as required
Cenefa de contorno según requerimiento

Punched hooks on folded faces & self-drilling tap screws for front-fixing of the panels

Botas de cuelgue en los pliegues laterales y tornillería autotaladrante para fijación de paneles desde el frente

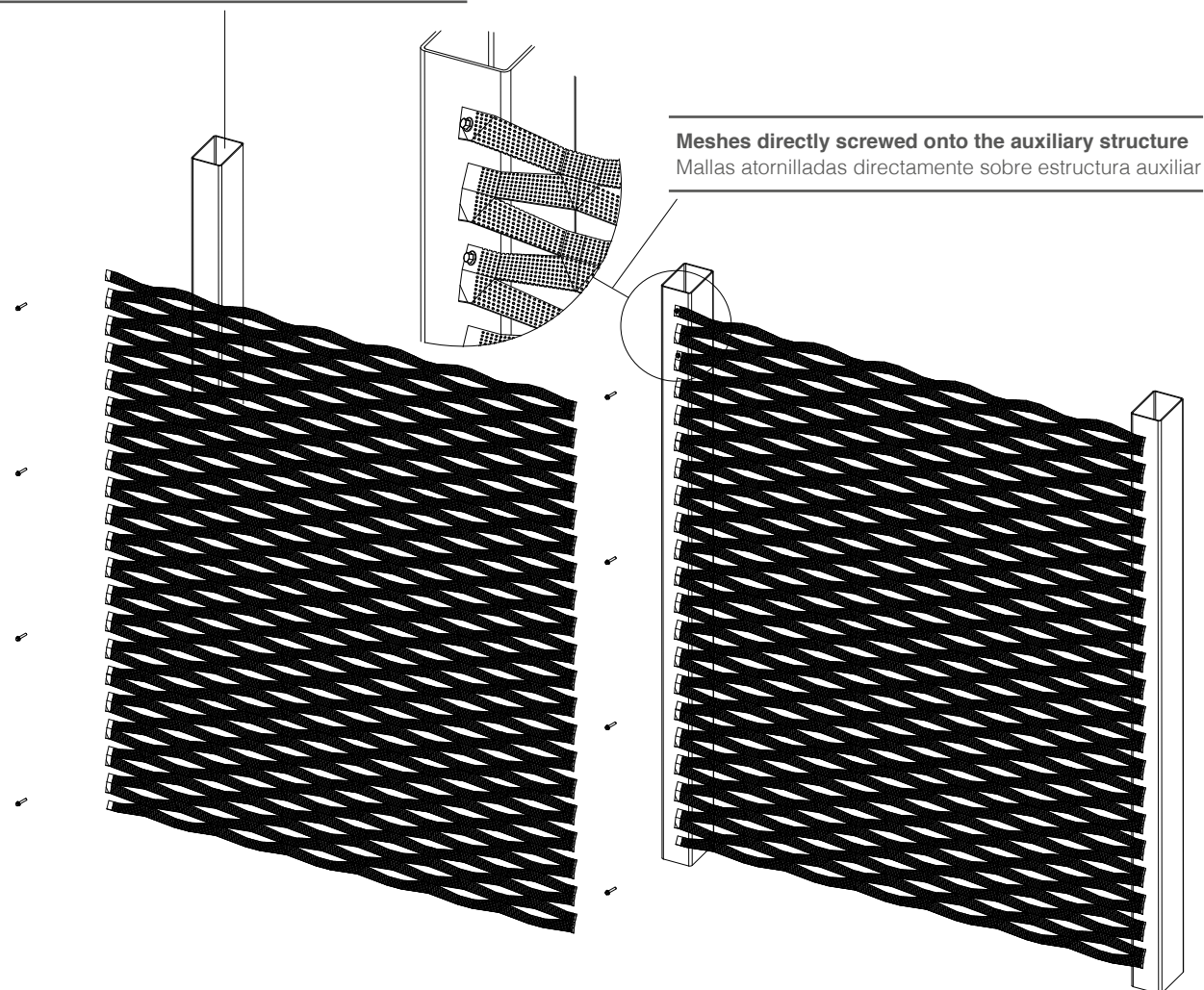


Gap between panels ≥ 8 mm
Junta entre paneles ≥ 8 mm

Hanging Panels Paneles colgados

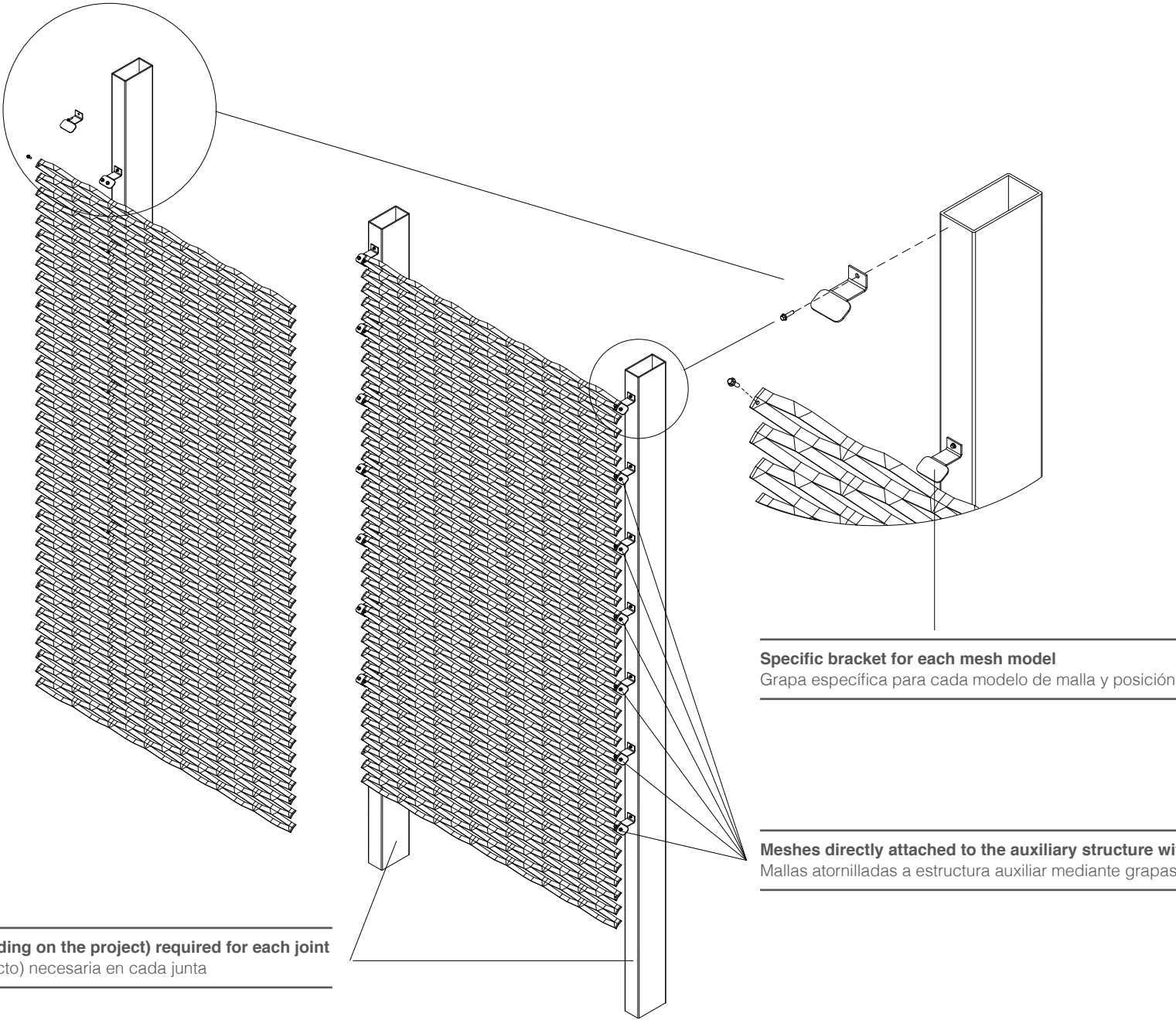
Direct Assembly Fijación Directa

Vertical structure (to be defined depending on the project) required for each joint
Estructura vertical (a definir según proyecto) necesaria en cada junta



* Valid for certain meshes. Please consult the technical office. *Válido para determinadas mallas. Consultar oficina técnica.

Bracket Assembly
Fijación con Grapa

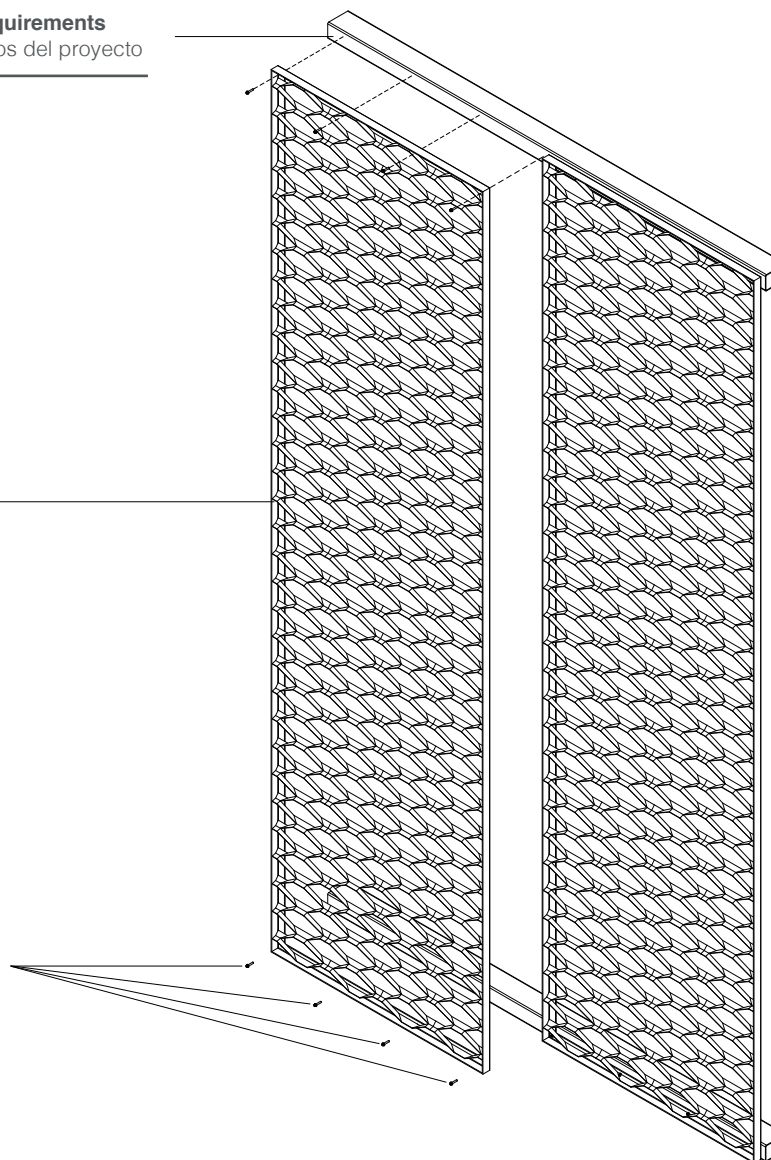


Frame Assembly Fijación con Marco

Vertical or horizontal structure depending on project requirements
Estructura vertical u horizontal a definir según requerimientos del proyecto

Specific welded profile for each project
Perfil soldado específico para cada proyecto

Framed meshes assembled on the auxiliary structure
Mallas enmarcadas fijadas a estructura auxiliar



IMAR WORLDWIDE

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- NORWAY
- ESTONIA
- THE NETHERLANDS
- BOSNIA & HERZEGOVINA
- UK
- POLAND
- PORTUGAL
- BELGIUM
- MALTA
- ALBANIA
- LITHUANIA
- ITALY
- SWEDEN
- LATVIA
- UKRAINE

- KUWAIT
- QATAR
- SAUDI ARABIA
- OMAN
- BAHRAIN
- INDIA

- PANAMA
- PERU
- BRASIL
- DOMINICAN REP.
- GUATEMALA
- ARGENTINA
- COLOMBIA
- CHILE
- BOLIVIA
- URUGUAY
- COSTA RICA

- SOUTH AFRICA
- MOROCCO
- TUNISIA
- GHANA
- KENIA
- ALGERIA
- NIGERIA





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