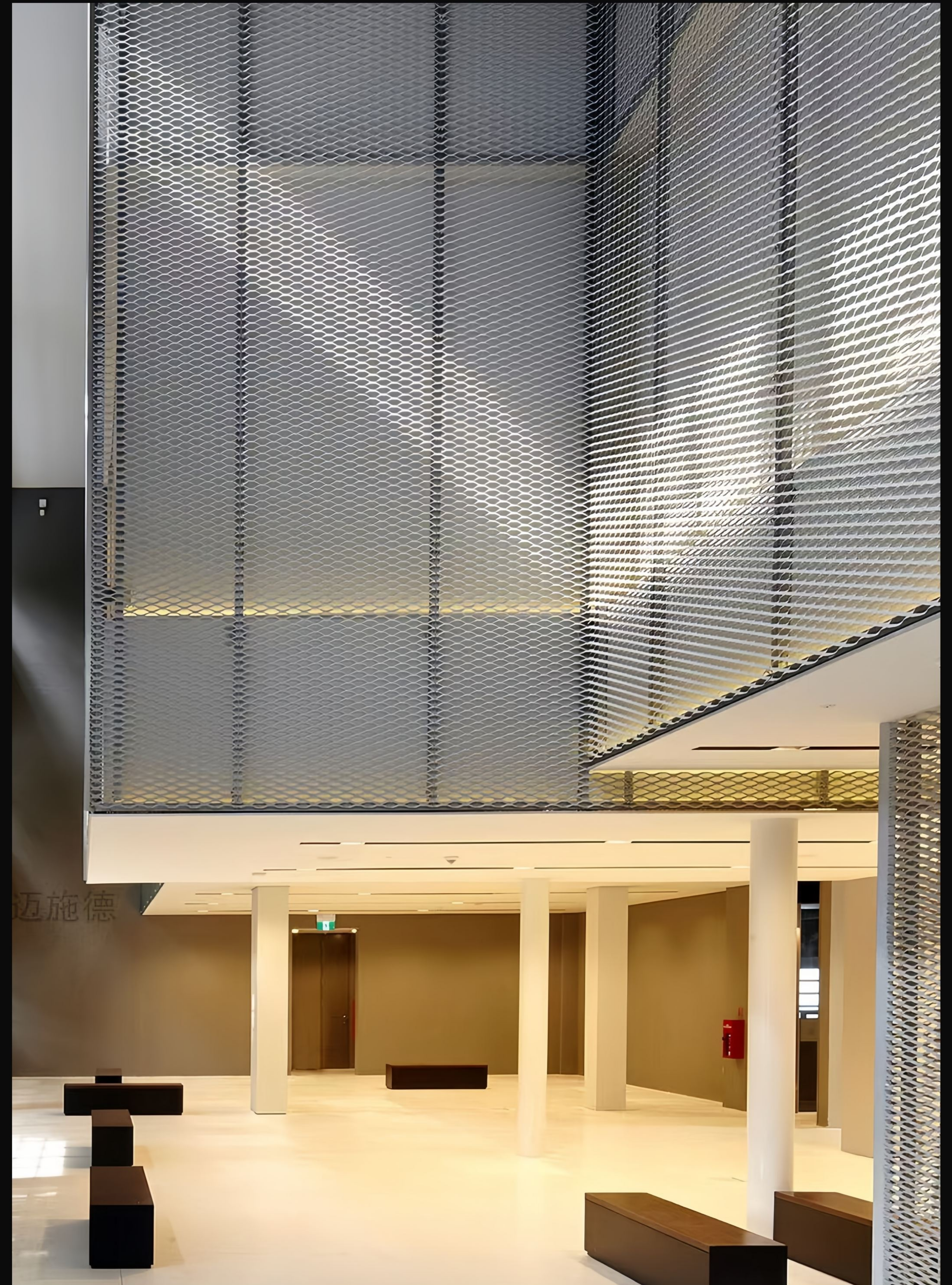


Expanded Metal Series Catalogue

Expanded geometry for rigid and lightweight
surfaces.

PRODUCT FAMILY / SG-EX / 2026



SG-EX ROUTE

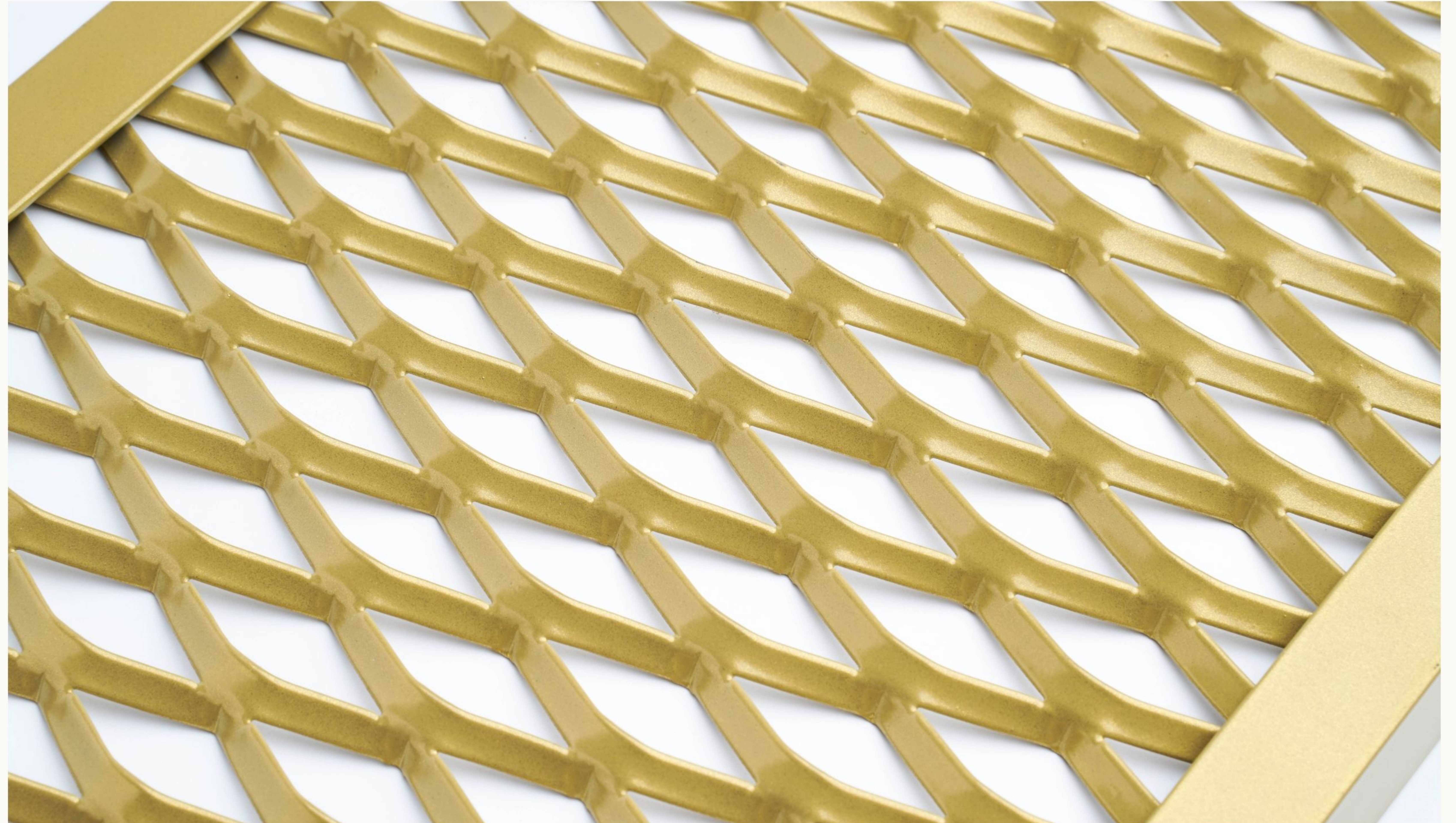
Understand the product before selecting the model.

SG-EX creates strong directional texture for facades, parking structures, ceilings and protective architectural layers.

PRODUCT POSITIONING	01
KEY FEATURES	02
MODEL / GALLERY	03
APPLICATIONS	04
MATERIAL & INSTALLATION NOTES	05
PROJECT BRIEF	06

Expanded geometry for rigid and lightweight surfaces.

SG-EX creates strong directional texture for facades, parking structures, ceilings and protective architectural layers.



PRODUCT PARAMETERS

- Materials: aluminium, steel or stainless expanded sheet
- Opening: diamond geometry with controlled strand and long-way direction
- Format: facade, parking screen, ceiling and protective layer
- Control items: strand width, thickness, opening size, orientation and finish

01

Selection logic

Start from application, visual target, openness, material and fixing condition.

02

Project tuning

Model, finish, scale and edge detail can be adjusted for the project route.

03

Sample approval

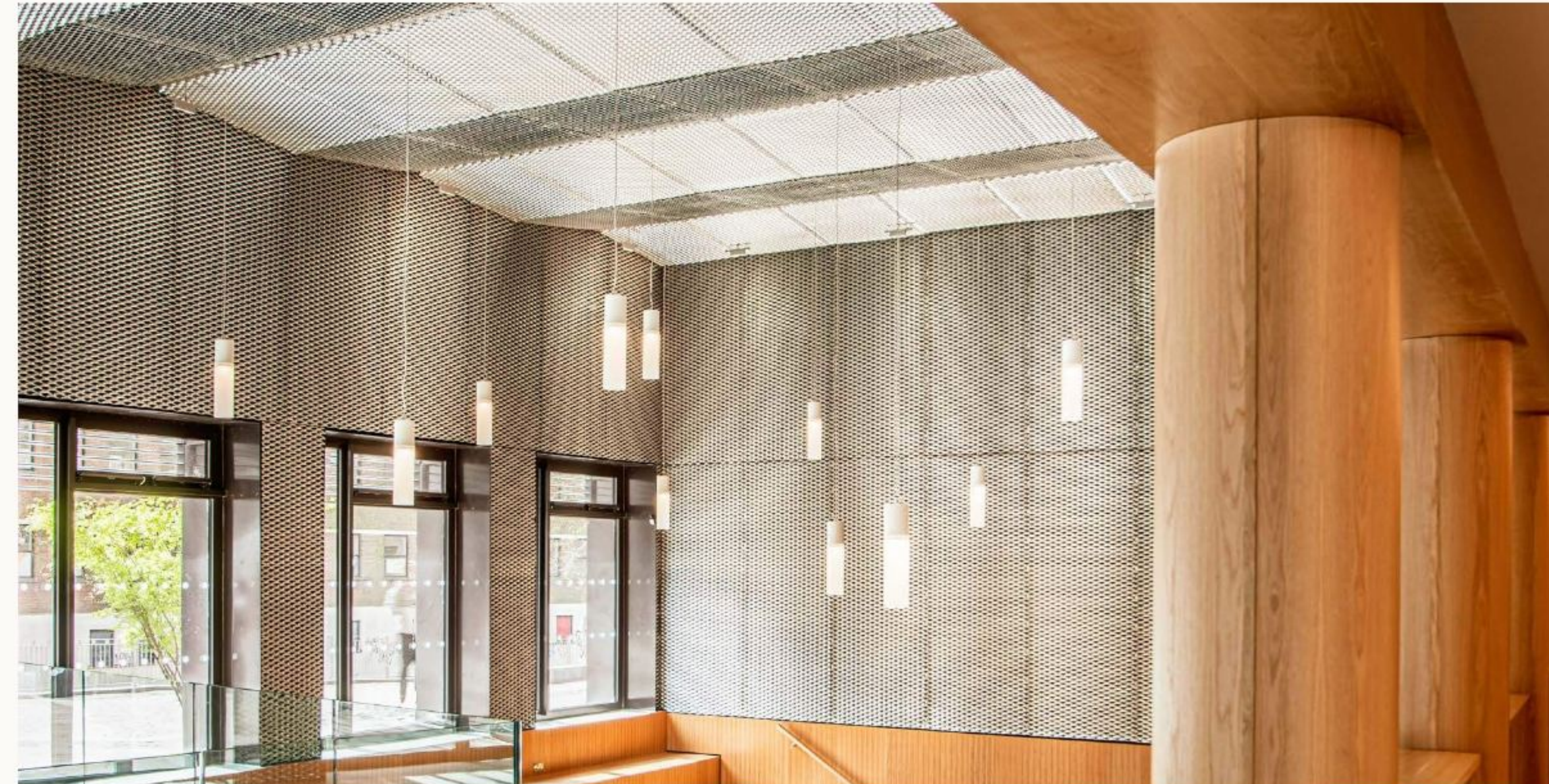
Use physical samples or mock-ups when light, texture or scale affects the result.

Compare visual, material and installation signals together.

A mature product choice is not only a pattern choice. It also needs application, material, finish and fastening logic.

DECISION SIGNALS

- Application and viewing distance
- Open area and visual density
- Material and finish route
- Edge, module and installation method



APPLICATION

Where it works

Match the product with facade, interior, ceiling, curtain, wall or screen conditions.



VISUAL

How it reads

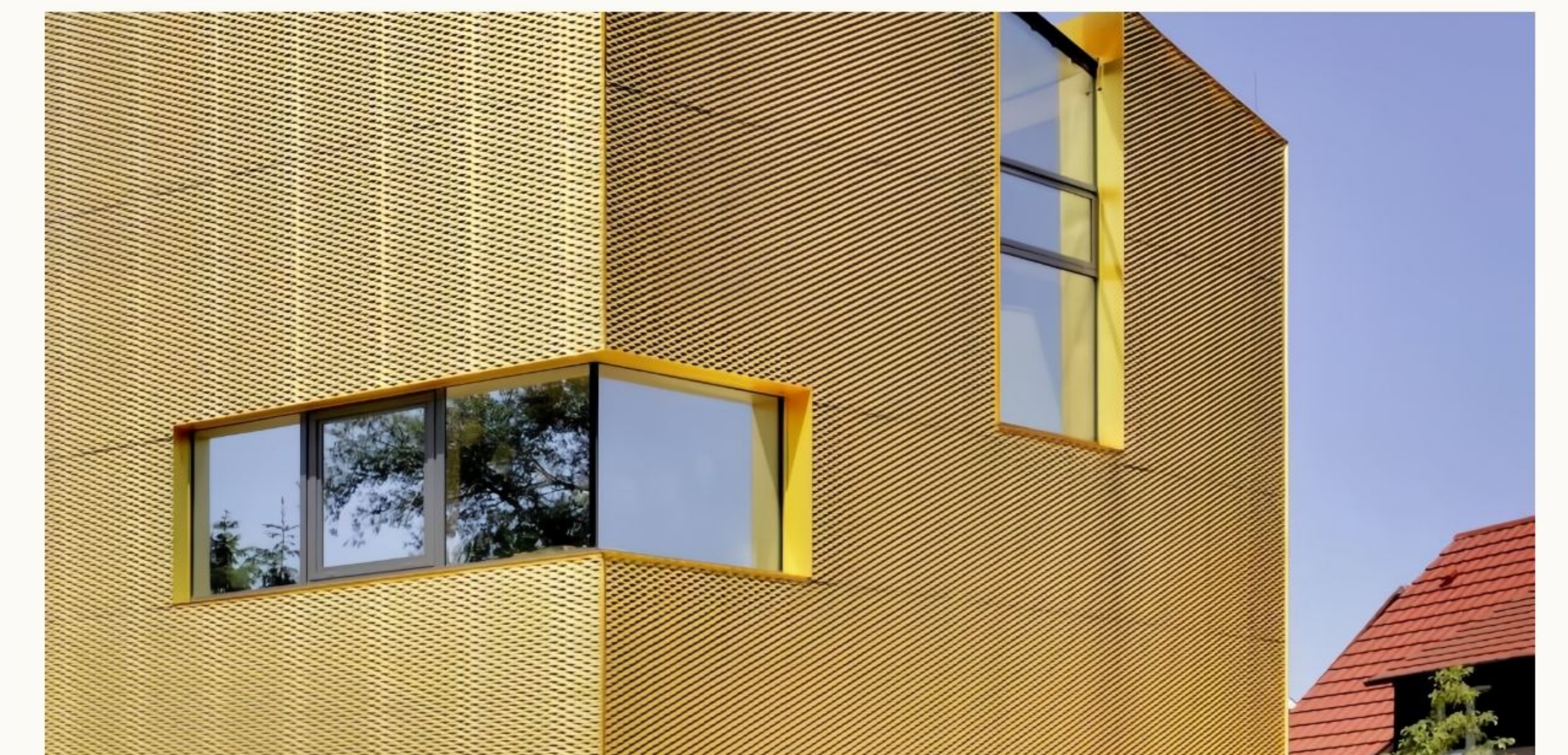
Check transparency, density, reflection, movement and viewing distance before approval.



MATERIAL

How it performs

Confirm base material and finish route together with exposure and maintenance needs.



FIXING

How it installs

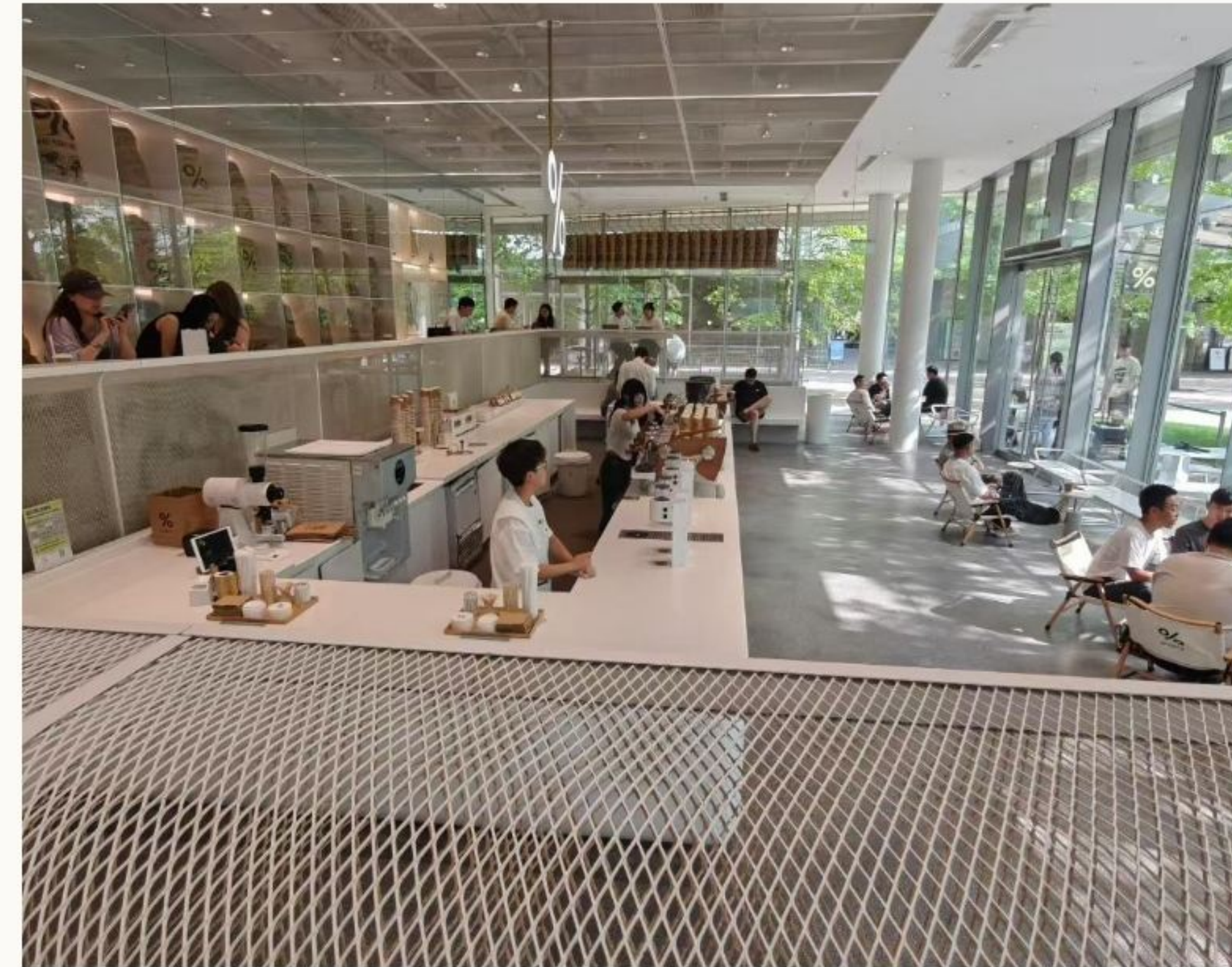
Frame, edge, track, tension or backing should be discussed before production.

Read the product through six practical signals.

Each detail image explains one selection point: texture, density, finish, movement, system route or project effect.

LOOK FOR

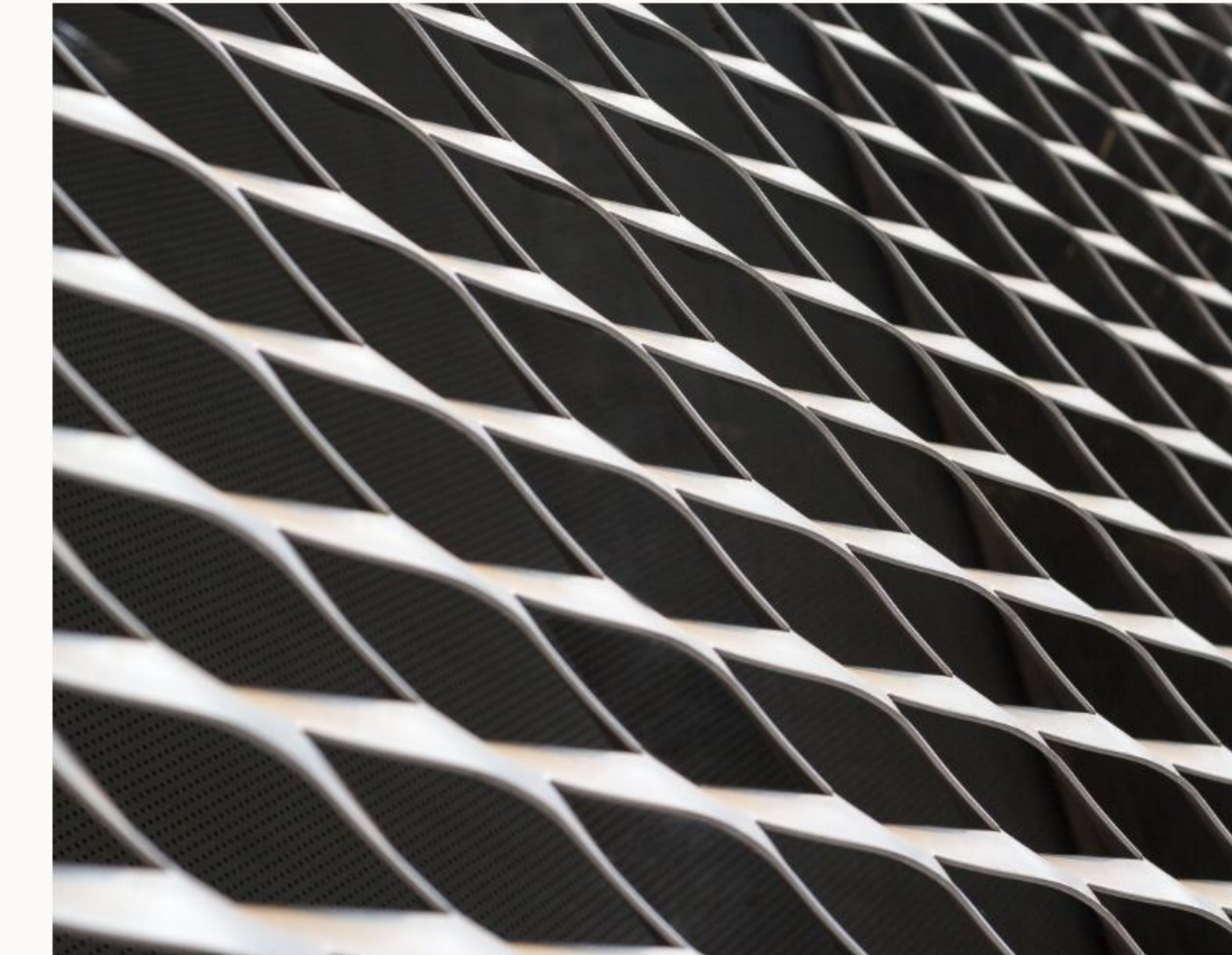
- Texture scale
- Light and reflection
- Edge or track condition
- Project atmosphere



GEOMETRY

Expanded Metal Direction

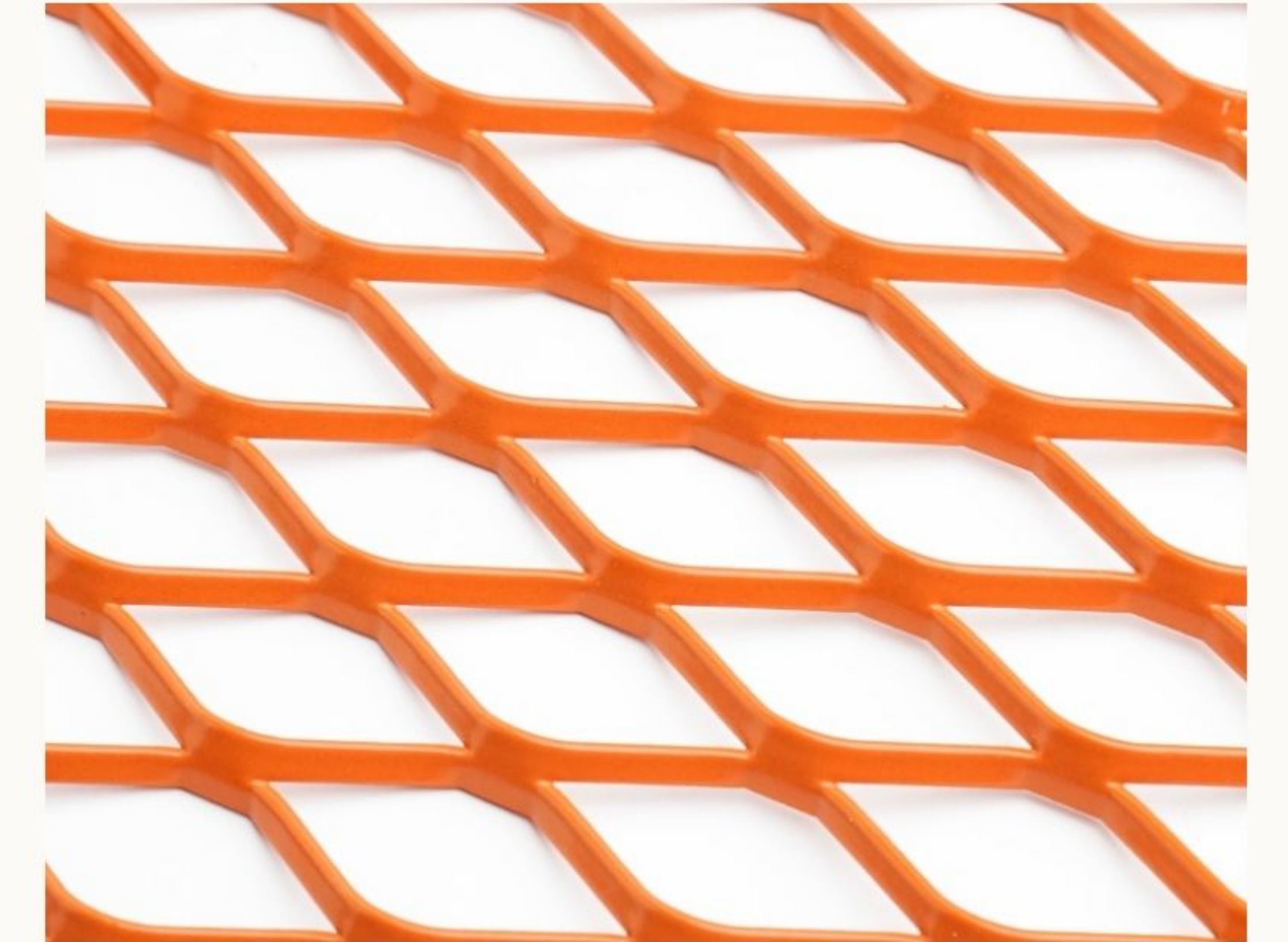
Diamond openings create strong directional rhythm and a rigid lightweight surface.



FACADE

Lightweight Rigid Panel

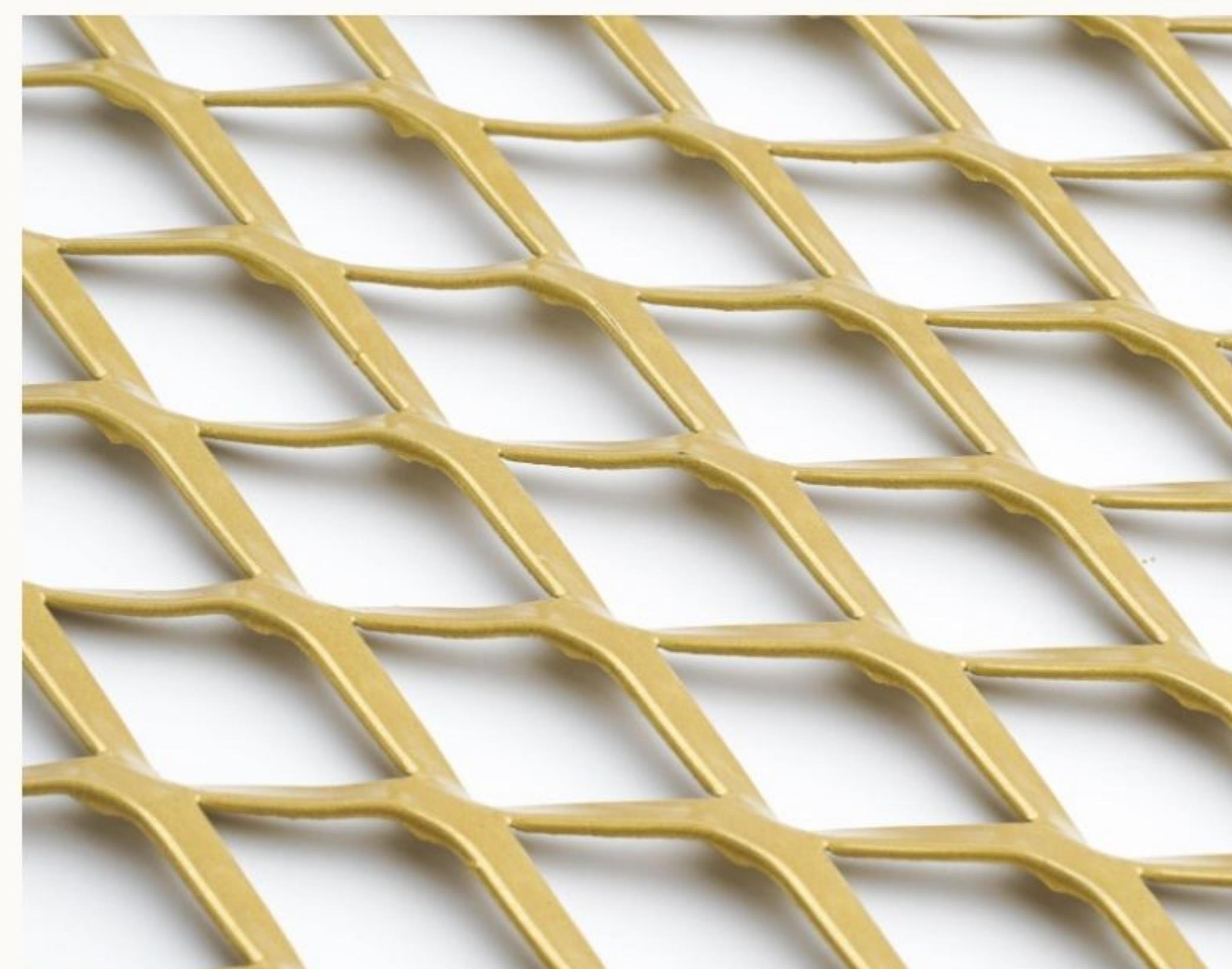
The expanded sheet gives facade screens depth without a heavy solid wall.



SMALL

Fine Opening Scale

Smaller openings improve screening and make the surface read more continuous.



MEDIUM

Balanced Texture

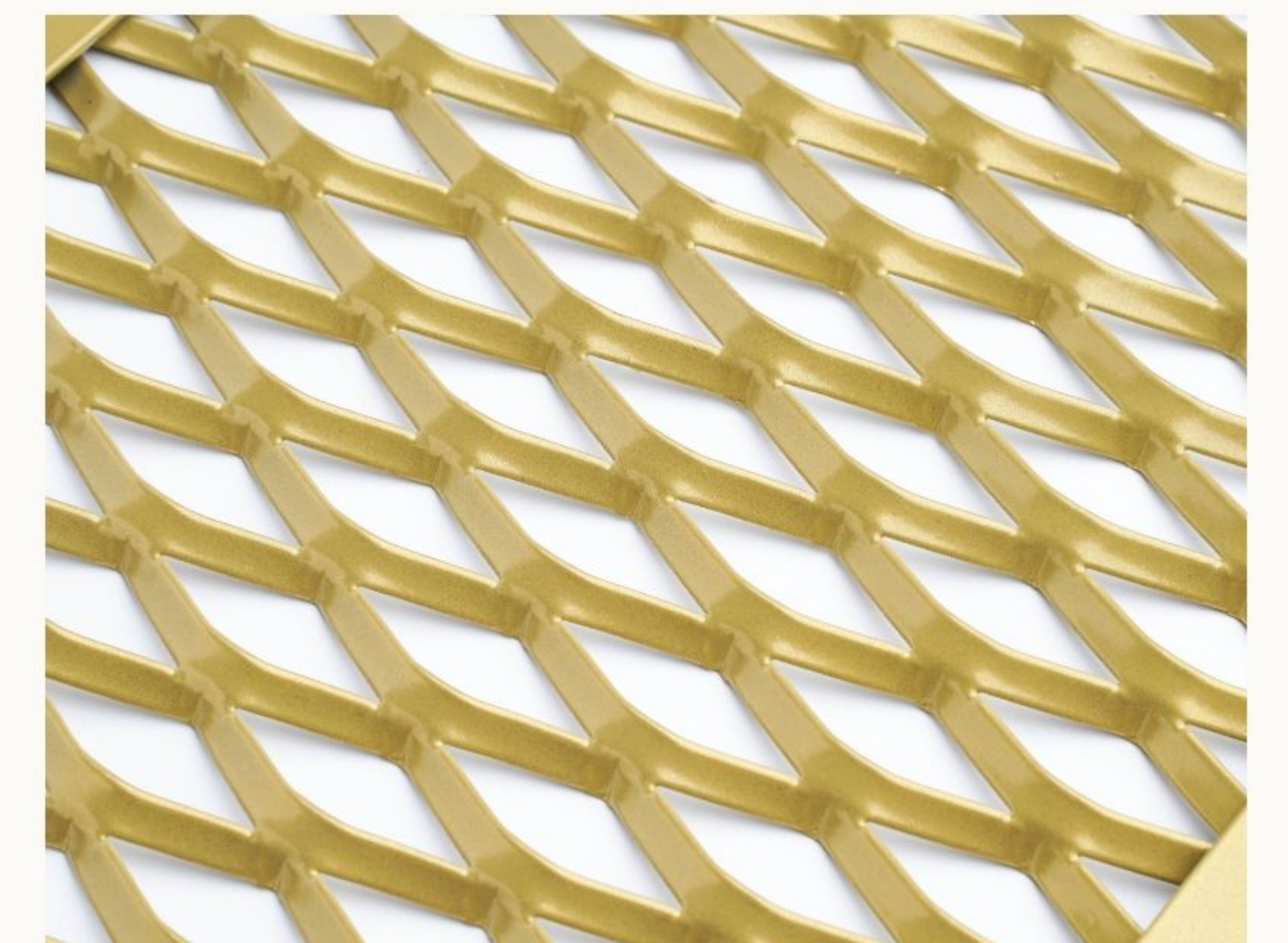
Medium openings balance transparency, stiffness and architectural shadow.



LARGE

Bold Directional Pattern

Larger openings emphasize the expanded geometry and long-way orientation.



SCREEN

Protective Exterior Layer

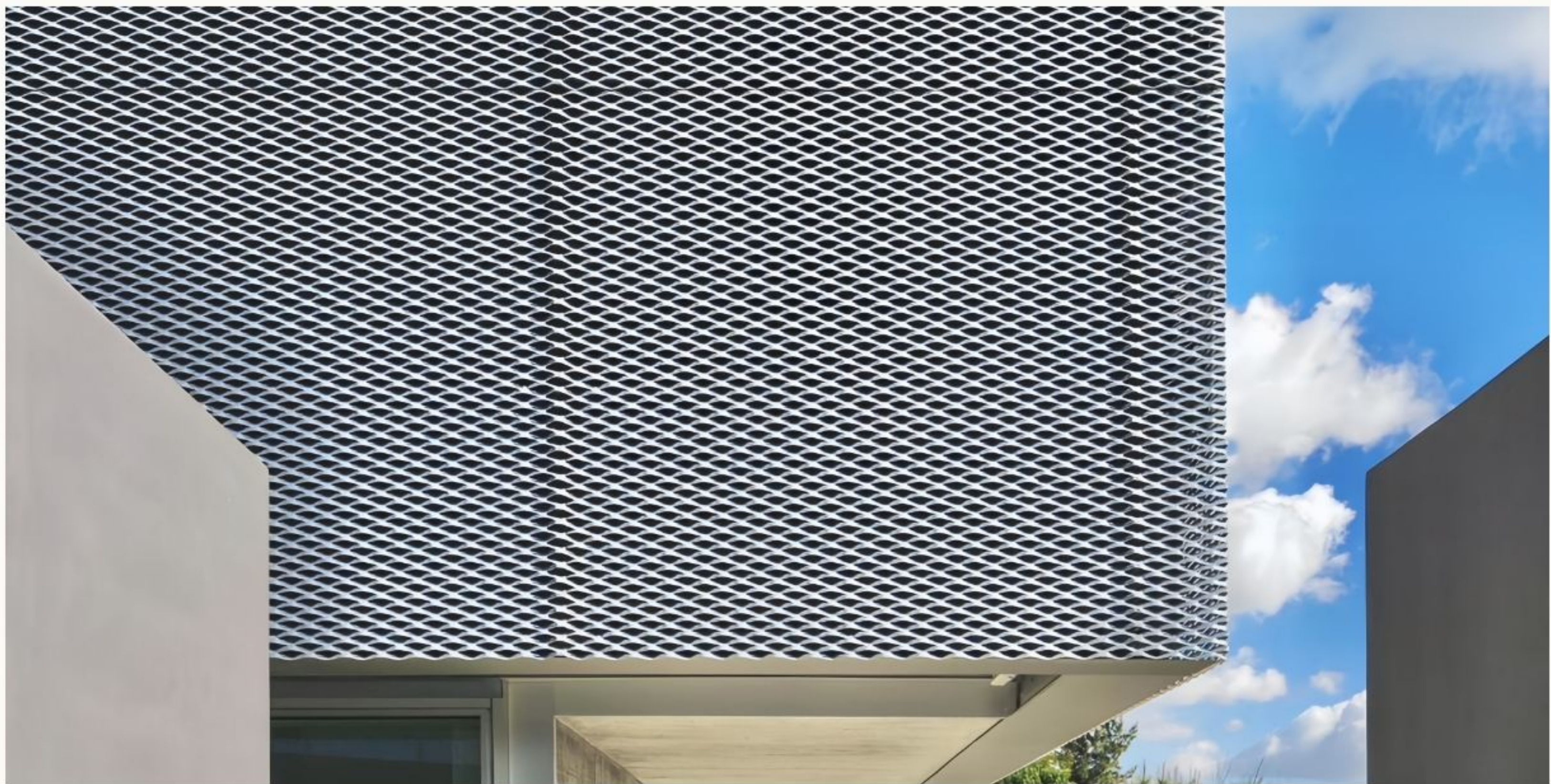
Good for parking structures, equipment zones and exterior surfaces that need airflow.

Match this product to the right architectural scene.

These scenes are selected from SGORIA metal systems applications and matched to the behavior of SG-EX.

APPLICATION CHECK

- Indoor or outdoor
- Close or distant viewing
- Rigid or flexible surface
- Maintenance and access



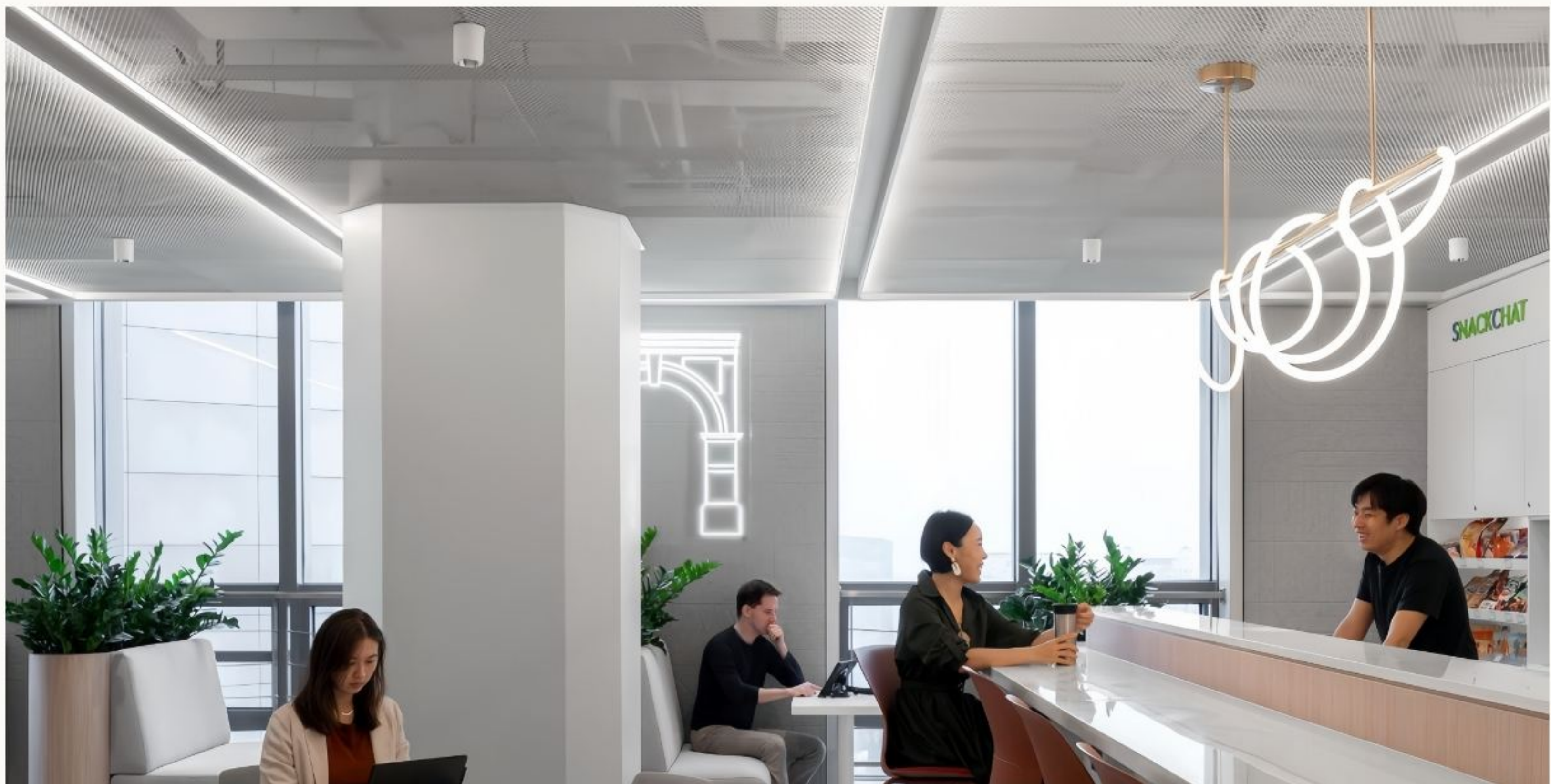
PARKING
Parking Garage Screen

Expanded metal gives parking and exterior screens a bold directional texture with airflow.



FACADE
Facade / Envelope

Breathable exterior skin for transparency, shadow and long-distance architectural rhythm.



CEILING
Ceiling / Overhead

Metal texture works above eye level with coordinated lighting, access and suspension.



FENCE
Fence & Safety Enclosure

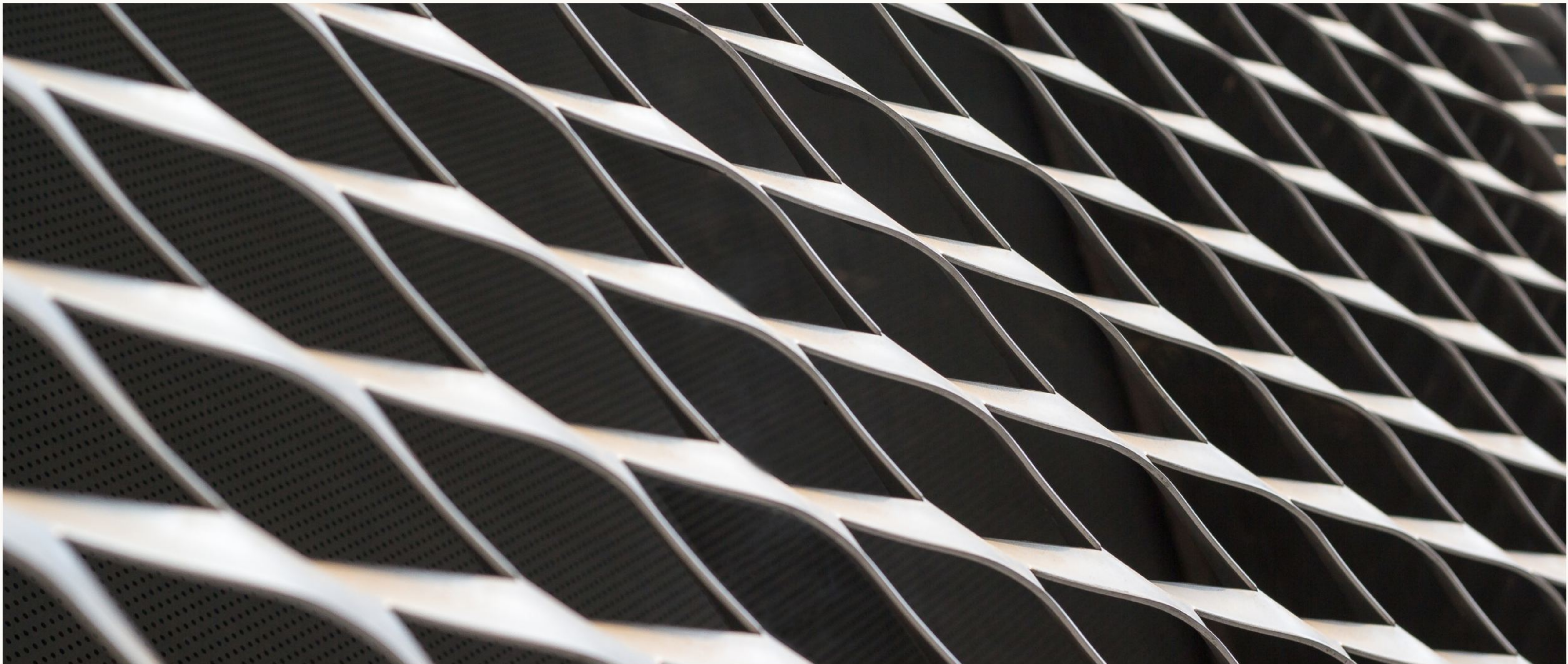
Expanded metal panels add protection while keeping strong visibility, airflow and structural rhythm.

Confirm the product parameters before production.

Use the right-side image as a replaceable project placeholder, then lock the technical notes with samples and drawings.

BEFORE ORDERING

- Model or pattern reference
- Material and finish
- Panel size or drop height
- Edge, frame, track or backing



01

Opening Direction

Confirm long-way direction because it changes both structure and visual movement.

02

Strand & Thickness

Review strand width and sheet thickness with stiffness, weight and support spacing.

03

Module & Finish

Lock panel module, edge frame and finish route before quantity production.

Use expanded metal where strength and rhythm meet.

Share the opening direction, panel size and support condition. SGORIA will help align expanded geometry with facade, parking or protective screen requirements.

Start with a sample, drawing or project photo.

WEBSITE

www.sgoria.com

EMAIL

project@sgoria.com

WHAT TO SEND

Application / model / size / finish / fixing condition



You do not need to know every parameter before contacting us. Send the project intention first, and SGORIA will help turn it into a clearer product, sample and specification route.