

SG-AF SERIES CATALOGUE

Aluminum Foam Series Catalogue

Lightweight porous aluminum surface for
feature panels.

PRODUCT FAMILY / SG-AF / 2026



SG-AF ROUTE

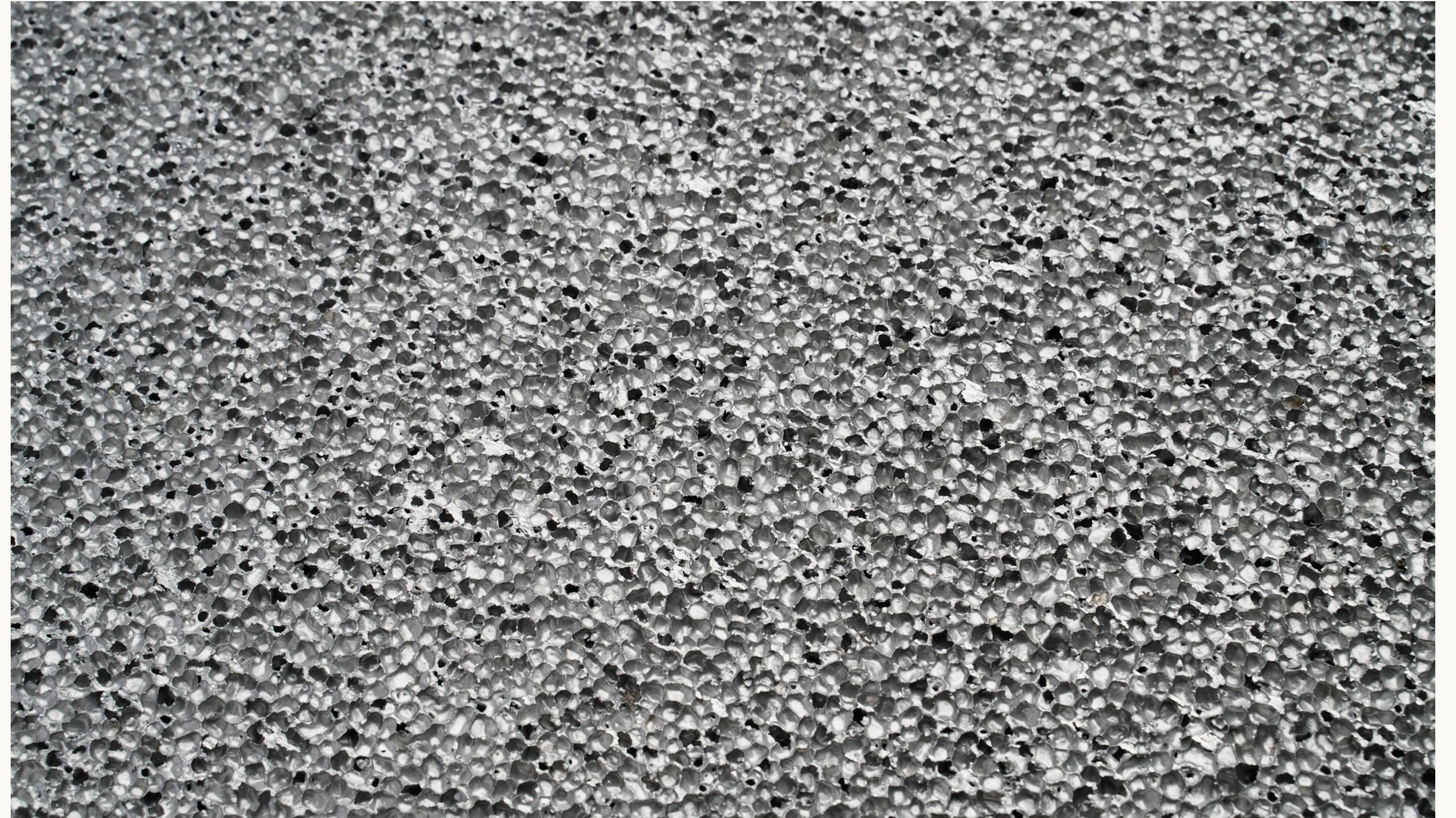
Understand the product before selecting the model.

SG-AF provides a porous aluminium surface for walls, ceilings, feature panels and acoustic design concepts.

PRODUCT POSITIONING	01
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Lightweight porous aluminum surface for feature panels.

SG-AF provides a porous aluminium surface for walls, ceilings, feature panels and acoustic design concepts.



PRODUCT PARAMETERS

- Materials: porous aluminium foam panel
- Surface: open pore metal texture with optional backing and finish routes
- Format: wall feature, ceiling, acoustic concept and decorative panel
- Control items: pore scale, thickness, backing, fixing 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

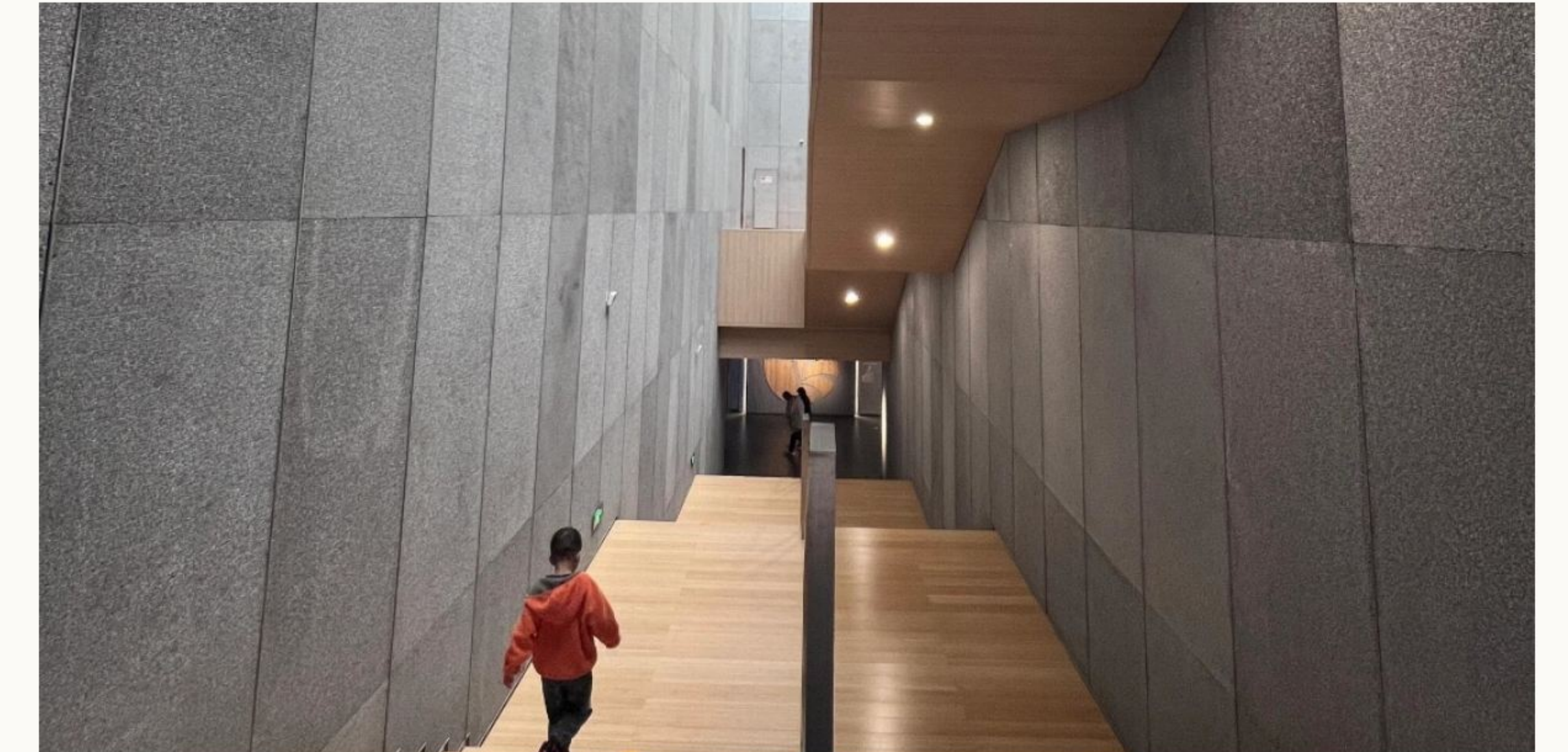
- Application and viewing distance
- Open area and visual density
- Material and finish route
- Edge, module and installation method



APPLICATION

Where it works

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



VISUAL

How it reads

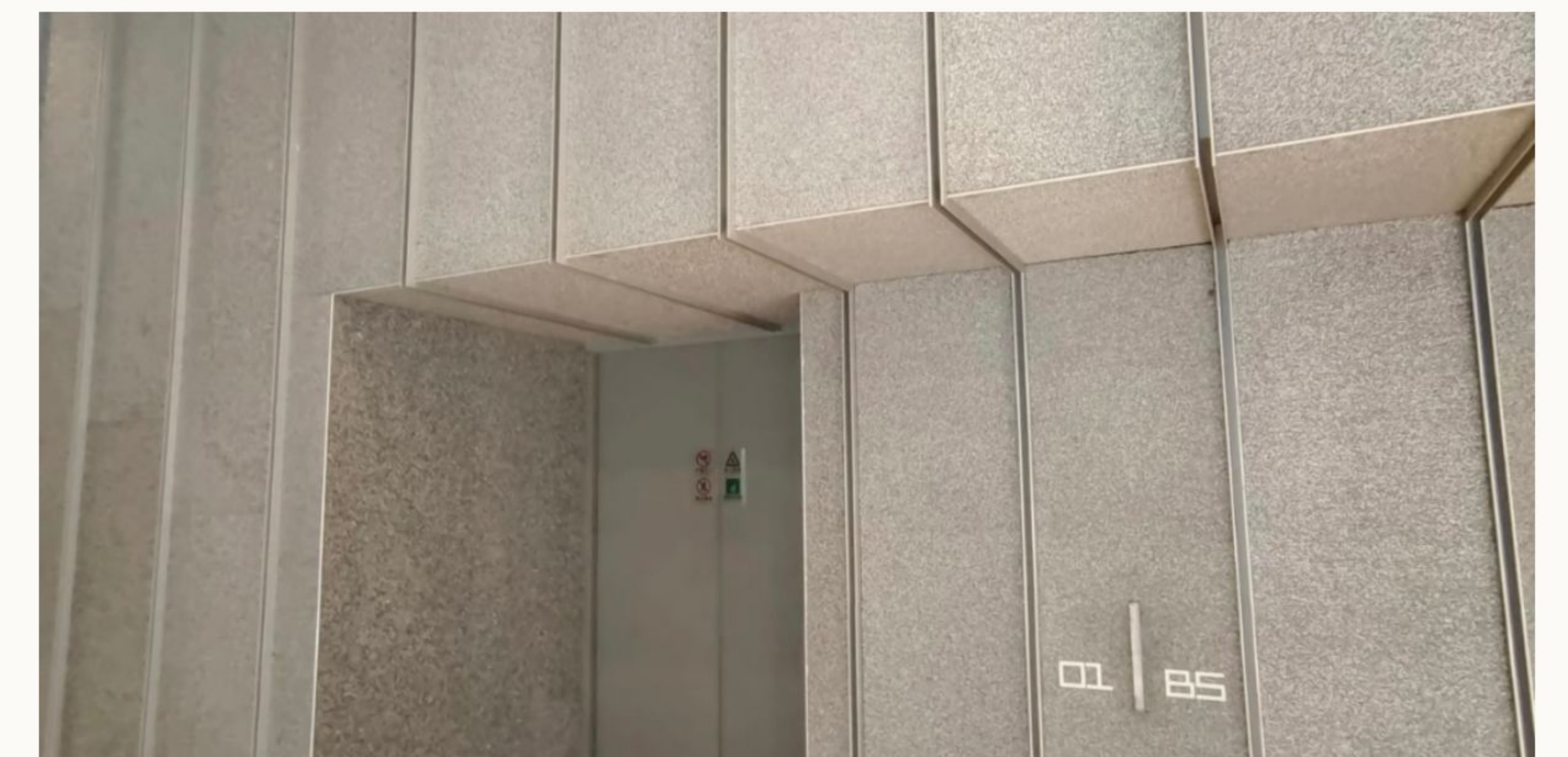
Check transparency, density, reflection, movement and viewing distance before approval.



MATERIAL

How it performs

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



FIXING

How it installs

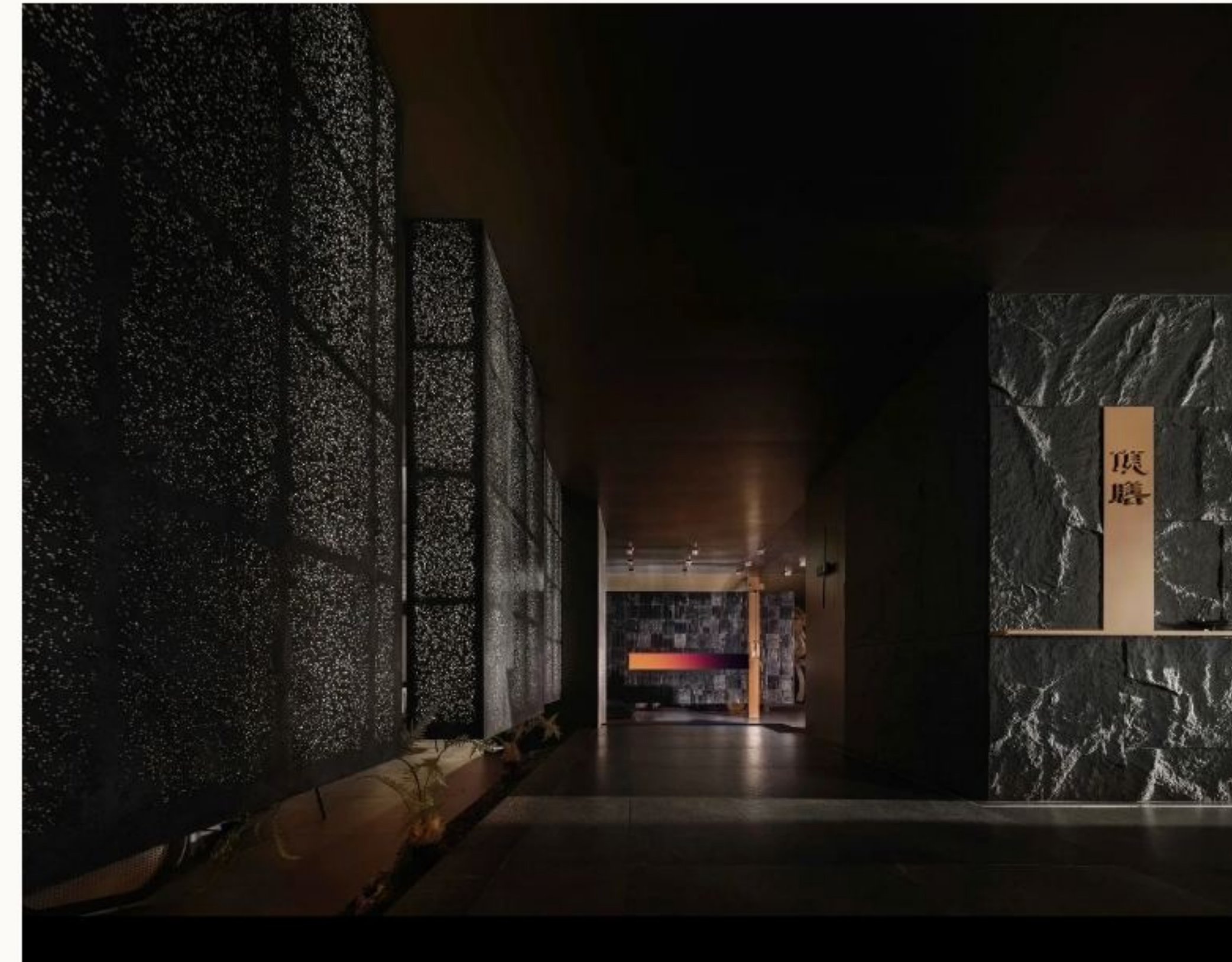
Frame, edge, track, tension or backing should be discussed before production.

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

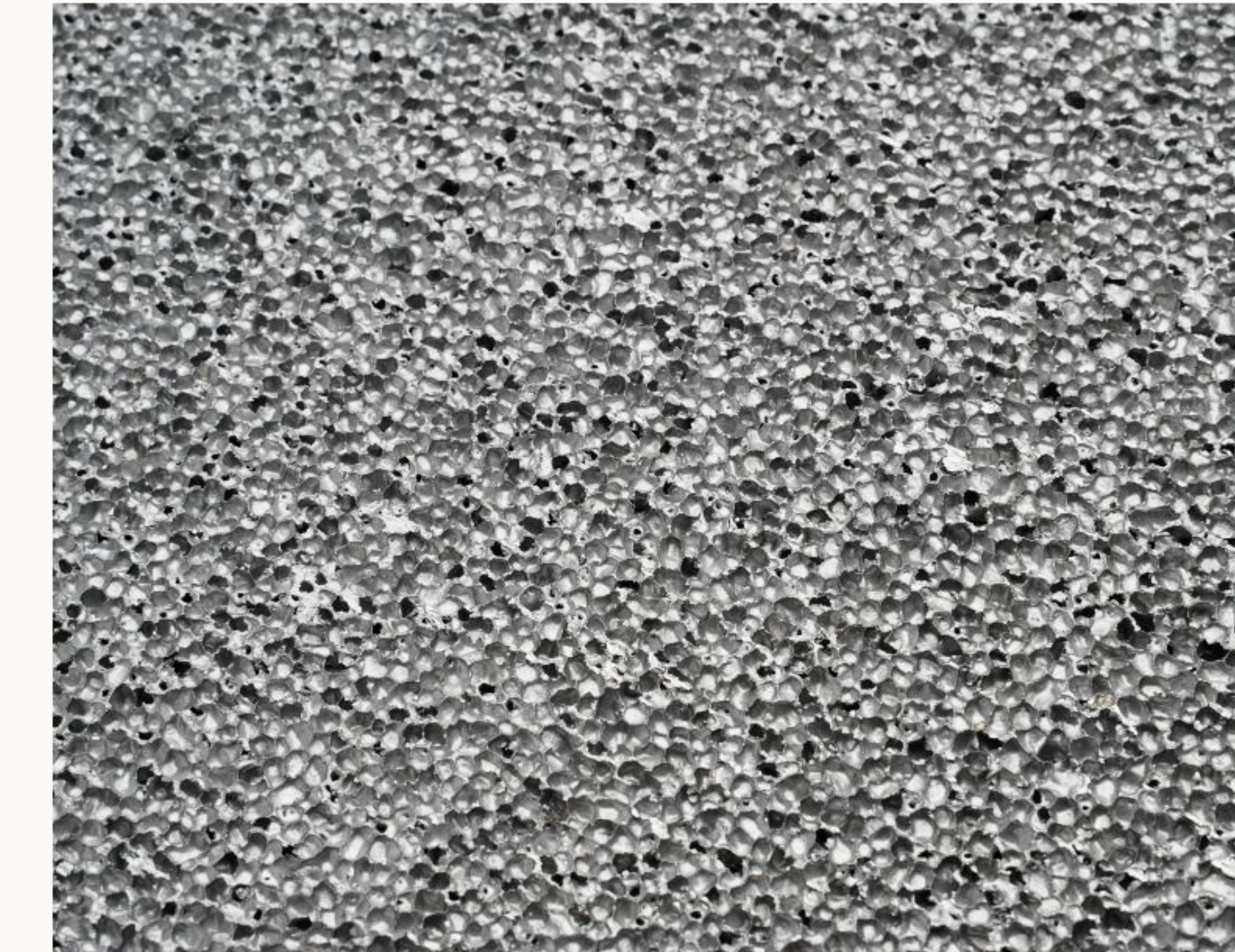
-  Texture scale
-  Light and reflection
-  Edge or track condition
-  Project atmosphere



POROUS

Lightweight Porous Metal

Aluminum foam creates a distinctive cellular surface with strong material identity.



DEPTH

Pore Scale & Shadow

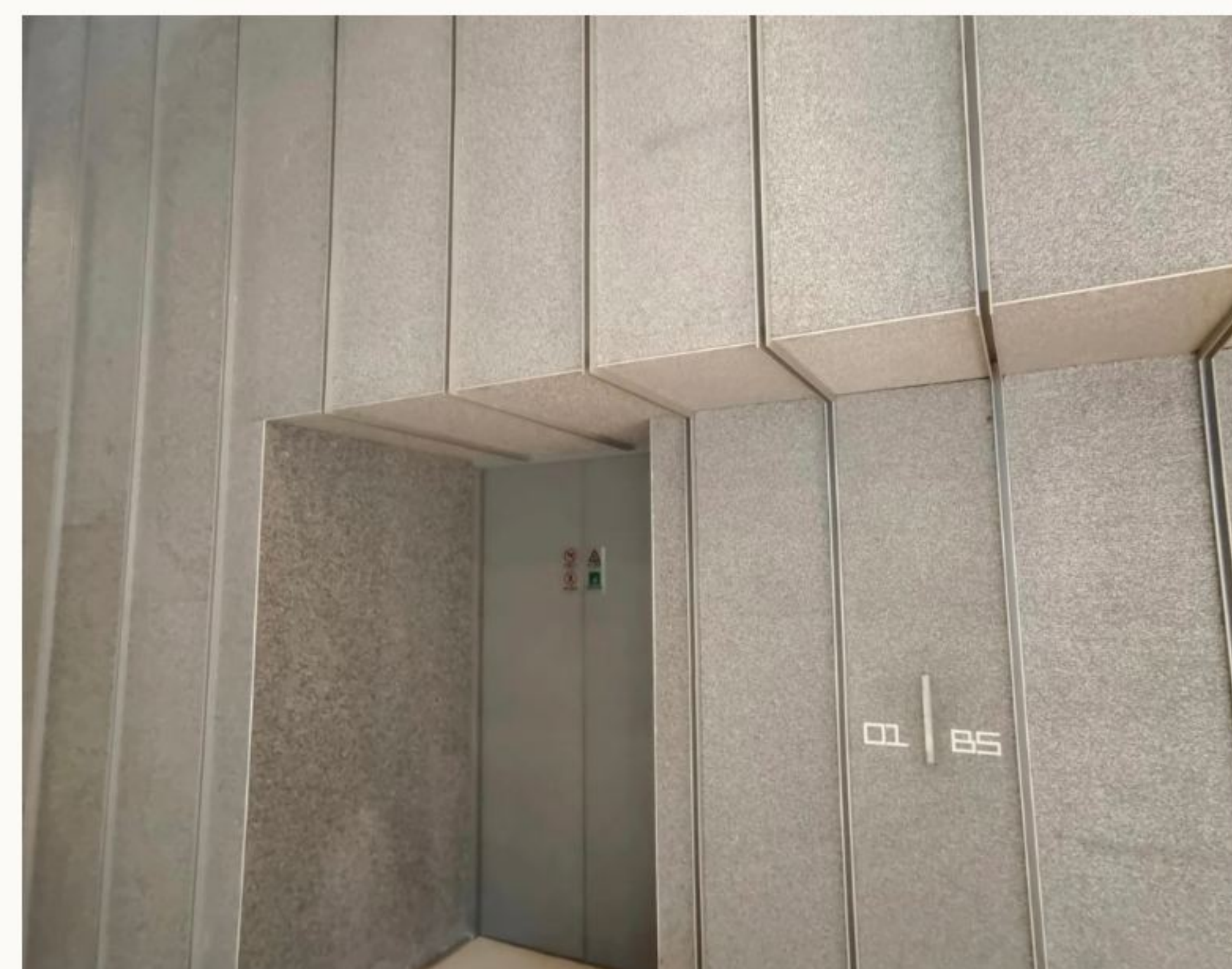
Pore size and panel thickness change visual depth and tactile presence.



CEILING

Feature Ceiling Field

The lightweight panel can be used overhead where texture matters.



WALL

Material Wall Surface

Porous metal gives walls a sculptural finish without a patterned repeat.



FINISH

Surface Finish Route

Colour and finish should protect the porous character rather than flatten it.



SELECTION

Concept Material

Best used when the project wants a distinctive material story and visible texture.

Match this product to the right architectural scene.

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

APPLICATION CHECK

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



WALL

Wall Cladding

Porous aluminum panels turn walls and columns into a quiet textured architectural surface.



CEILING

Ceiling / Overhead

Aluminum foam creates a porous overhead field with soft shadow, light filtering and material depth.



CUSTOM

Custom Feature Surface

Use aluminum foam as a concept material for facade edges, feature volumes and landmark surfaces.



RETAIL

Retail & Display

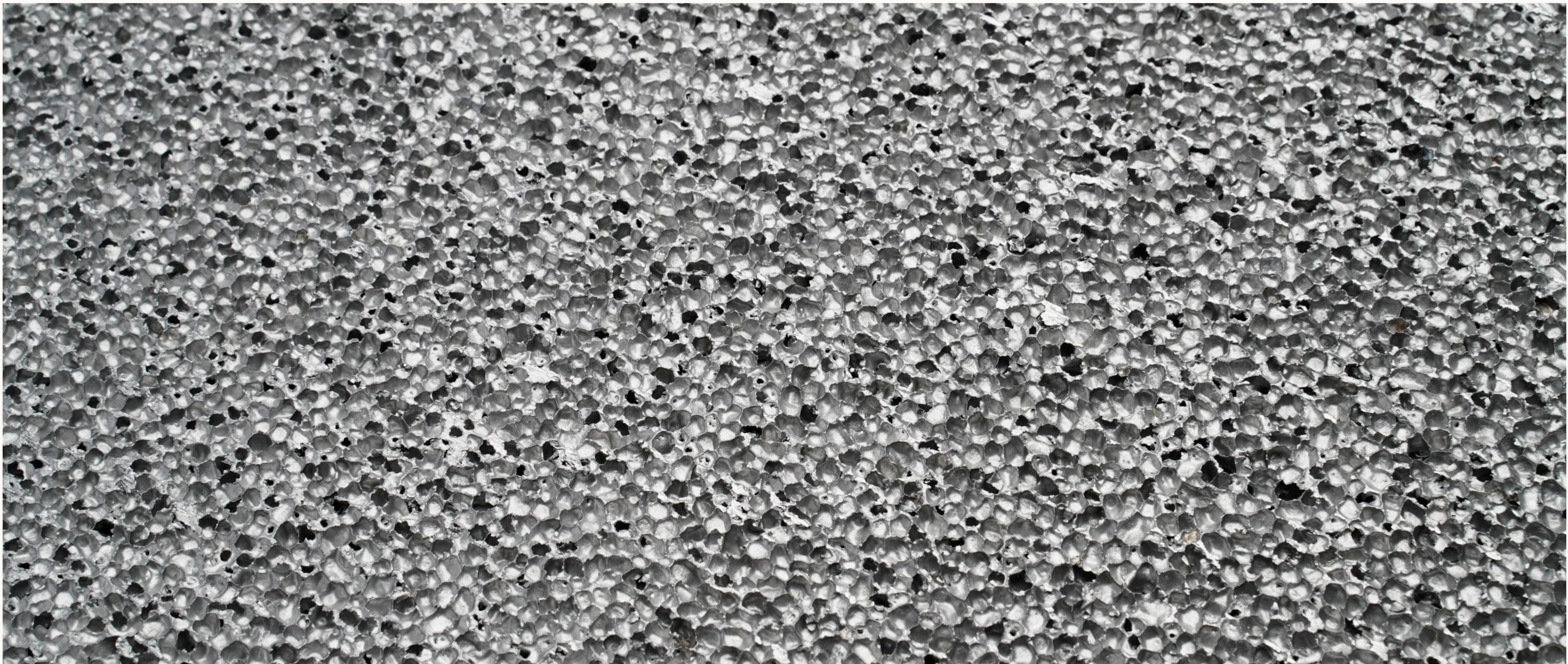
The cellular surface works behind displays where lighting and close-view texture need a premium feel.

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

Pore & Thickness

Confirm pore scale and panel thickness with the desired shadow and weight.

02

Backing & Fixing

Decide whether backing, frame or direct fixing is required for the installation.

03

Finish Review

Review colour and coating on real porous samples before project approval.

Use aluminum foam when the material should be remembered.

Share the wall, ceiling or feature-panel condition. SGORIA can help compare pore scale, thickness, backing and finish before sampling.

Start with a sample, drawing or project photo.

WEBSITE

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EMAIL

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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.