

2026 MATERIALS & FINISHES GUIDE

Materials & Finishes Guide



A practical guide to metal mesh materials,
surface finishes, colour direction and
specification choices.

MATERIAL ROUTE

Choose the base. Then tune the surface.

This guide turns SGORIA material and finish options into a practical selection route for project teams, designers and contractors.

SELECTION PRINCIPLE

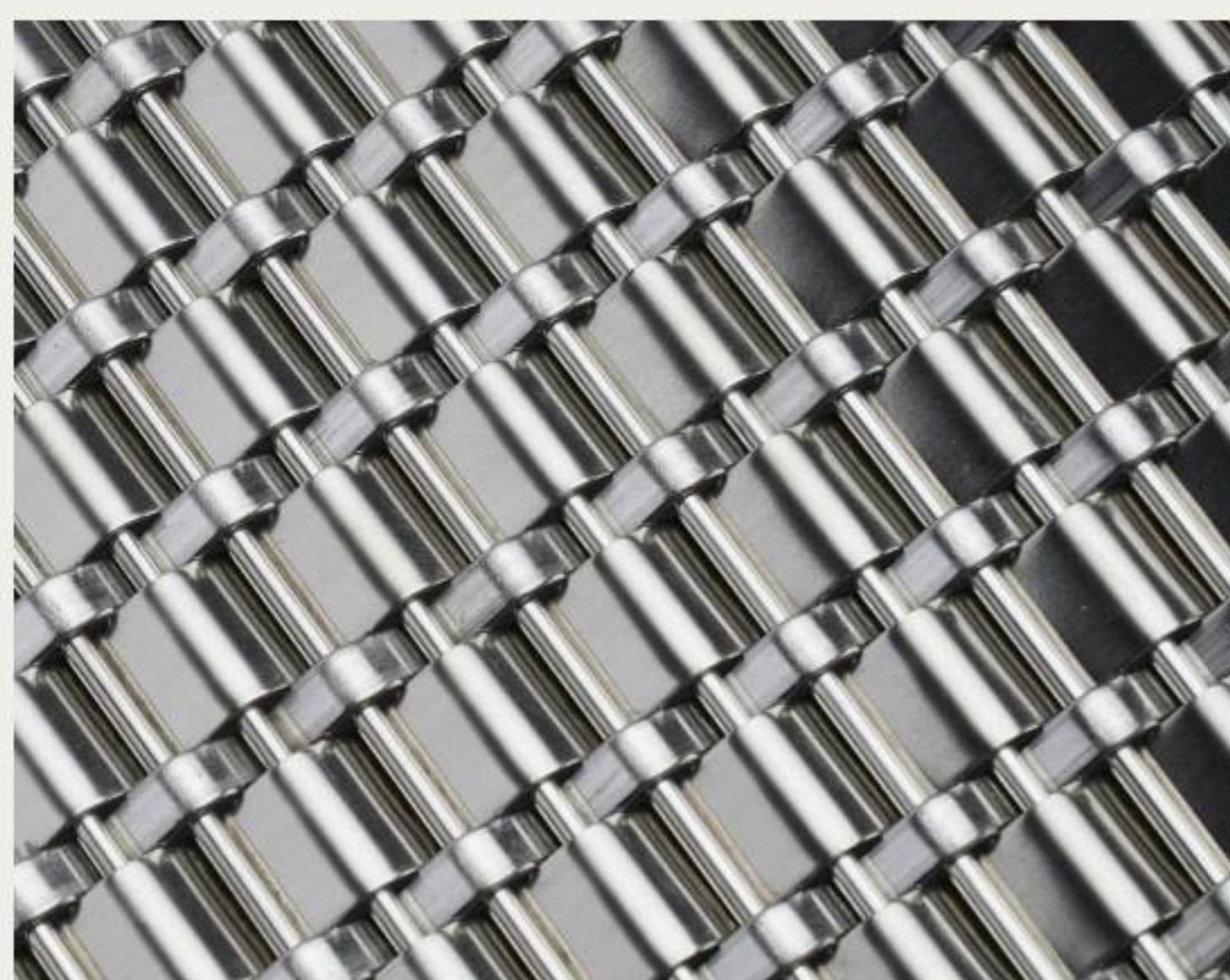
Confirm exposure, weight, touch, colour target and maintenance expectation before approving the finish sample.

BASE MATERIAL ROUTE	01
MATERIAL COMPARISON	02
FINISH ROUTE MATRIX	03
NATURAL, ANODISED AND PLATED	04
COATING AND CUSTOM DIRECTION	05
SAMPLE APPROVAL ROUTE	06

BASE MATERIAL

Start with what the metal must survive.

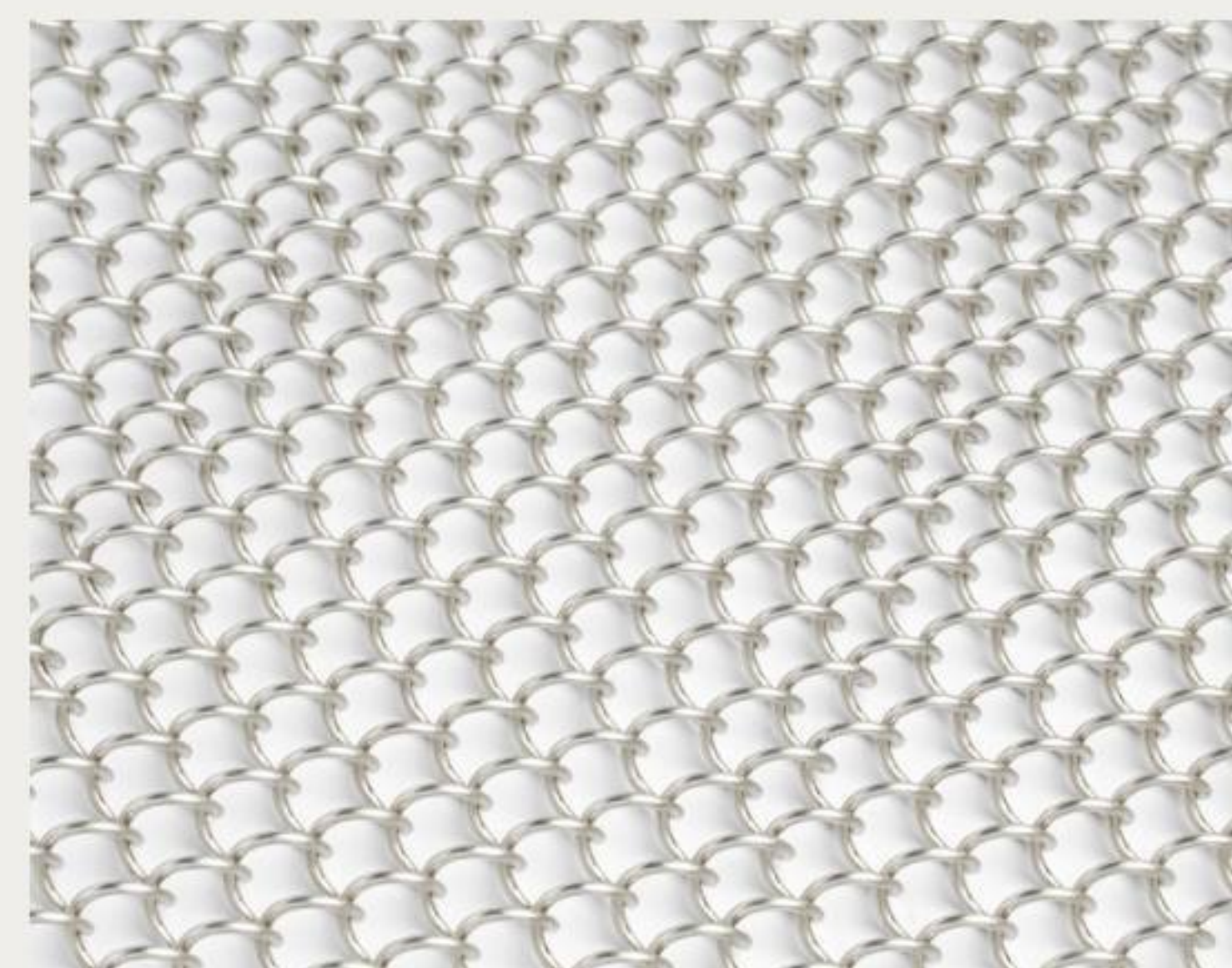
Base material decides weight, corrosion resistance, touch quality, aging behaviour and which finish routes make sense.



01 / DURABLE

STAINLESS STEEL

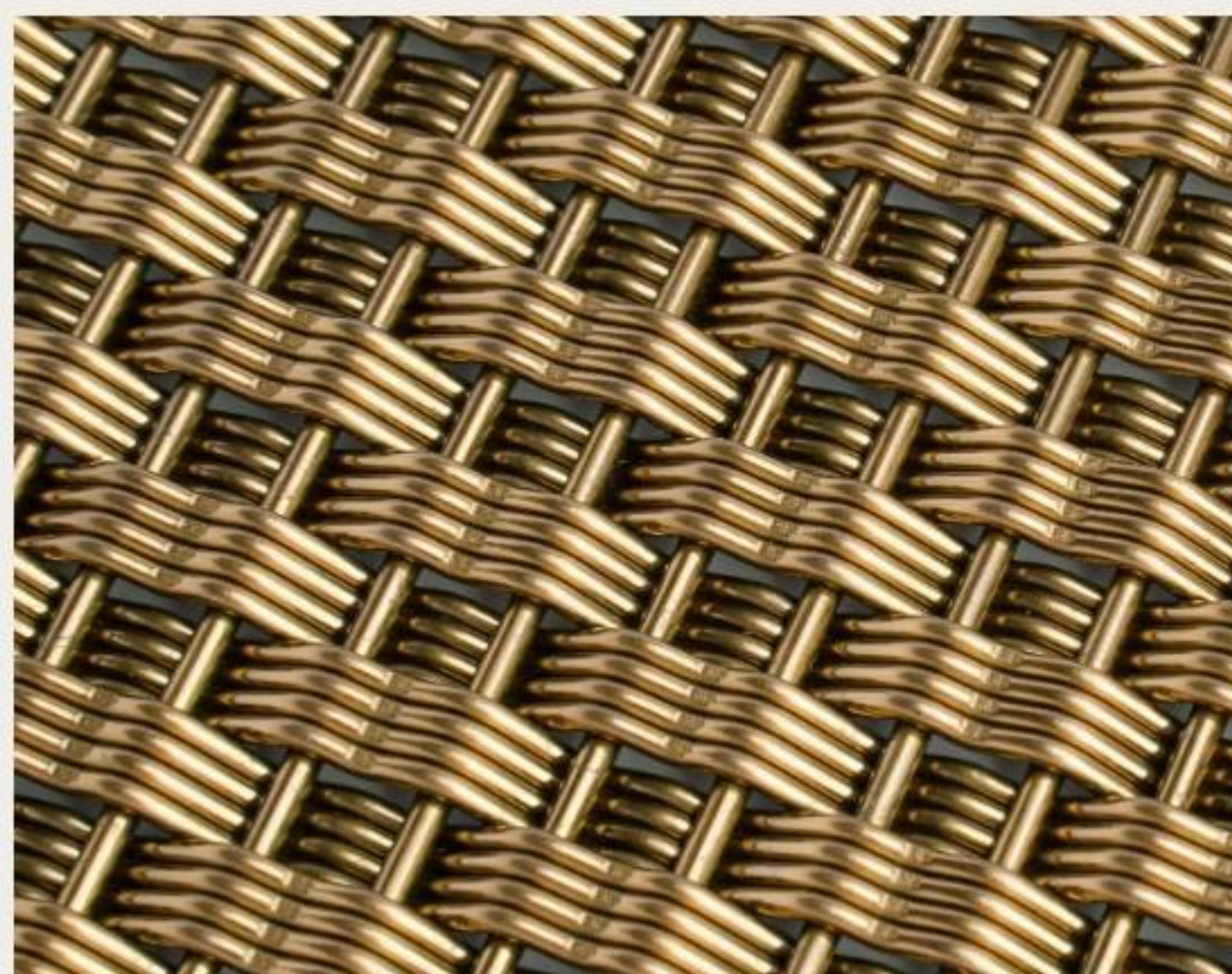
Corrosion-resistant base for exterior mesh, refined interiors and long-service surfaces.



02 / LIGHTWEIGHT

ALUMINUM

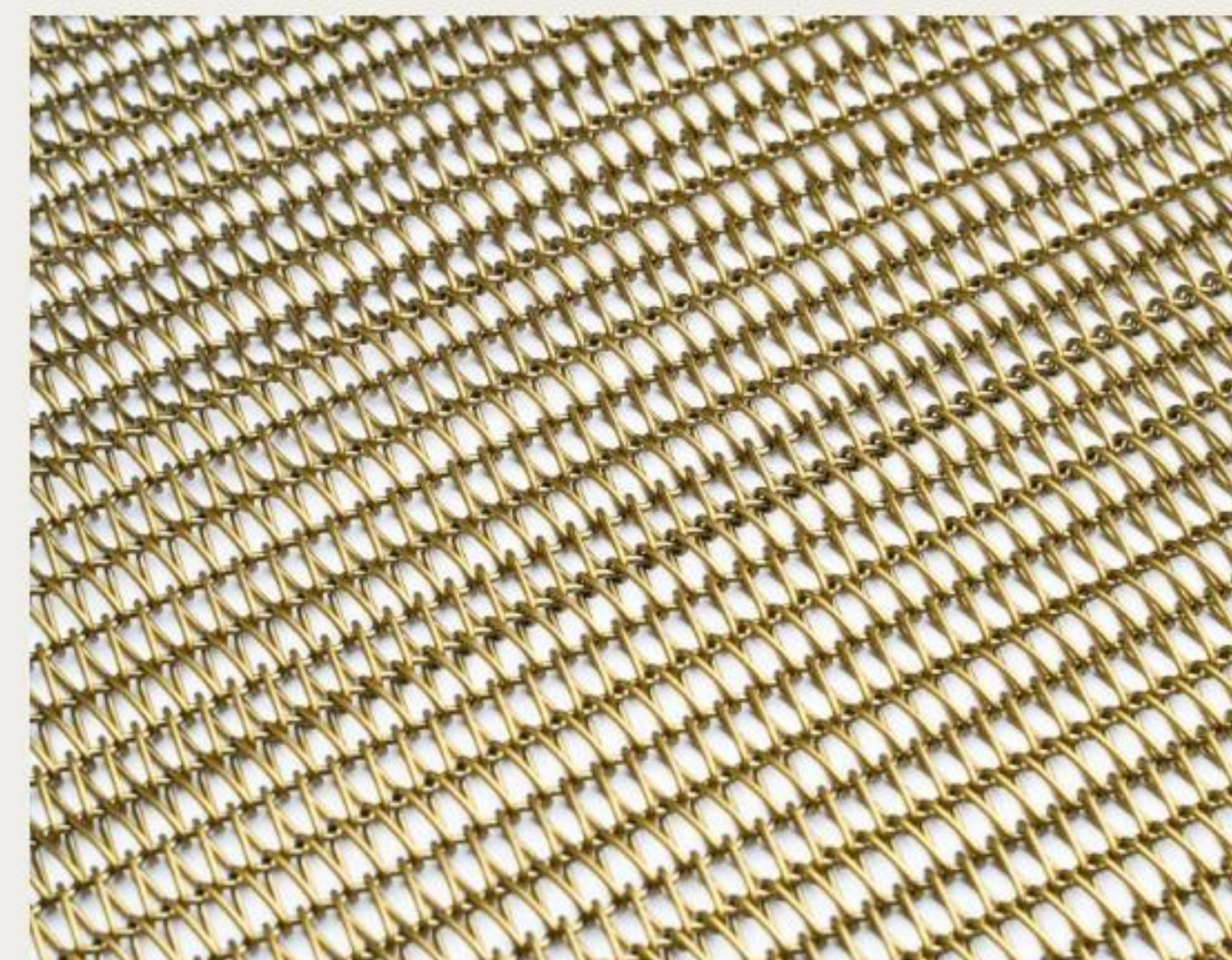
Lightweight route for curtains, perforated panels, expanded metal and colour surfaces.



03 / WARM

BRASS AND BRONZE

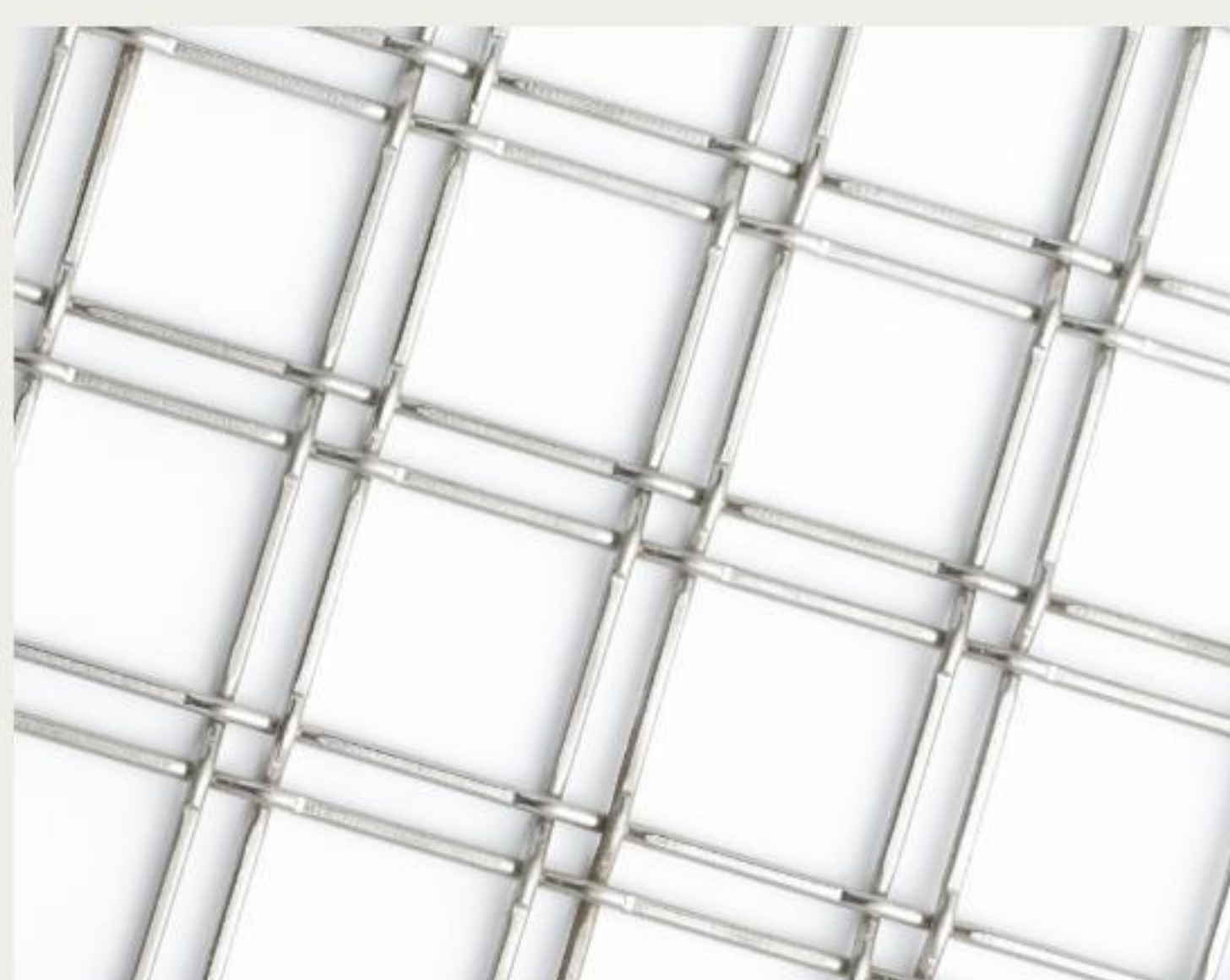
Warm metal route for interiors, hospitality surfaces and close-range decorative mesh.



04 / LIVING

COPPER

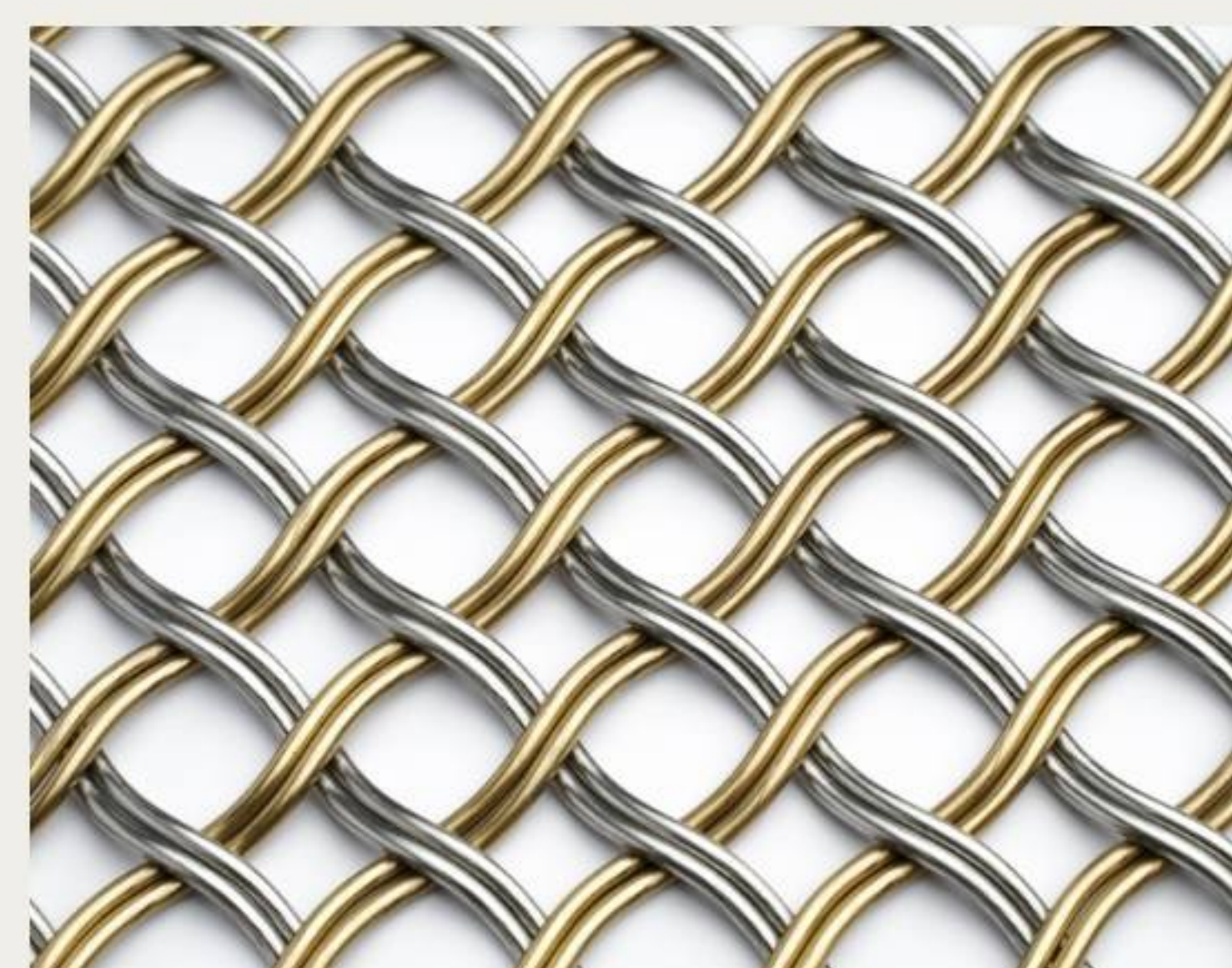
Living warm metal for protected interiors, glass build-ups and design-led features.



05 / PRACTICAL

CARBON STEEL

Practical base for sheet metal, expanded metal and coated architectural surfaces.



06 / APPROVAL

SAMPLE ROUTE

Use physical samples to confirm colour, reflection, texture and base metal together.

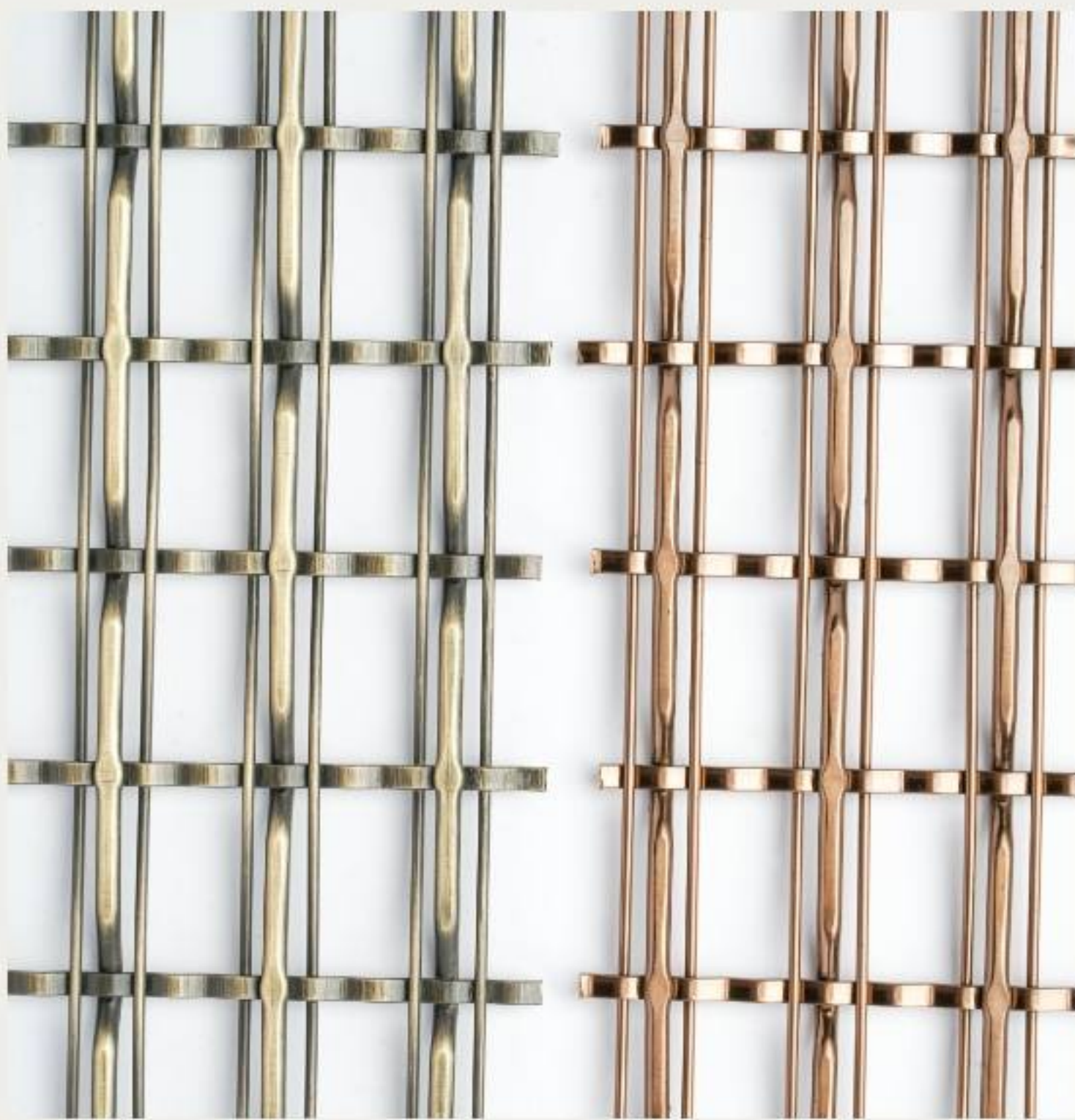
CONFIRM FIRST

- ☐ Indoor, outdoor or coastal exposure
- ☐ Required weight and panel size
- ☐ Close touch or distant viewing
- ☐ Natural tone or colour coating

MATERIAL BEHAVIOR

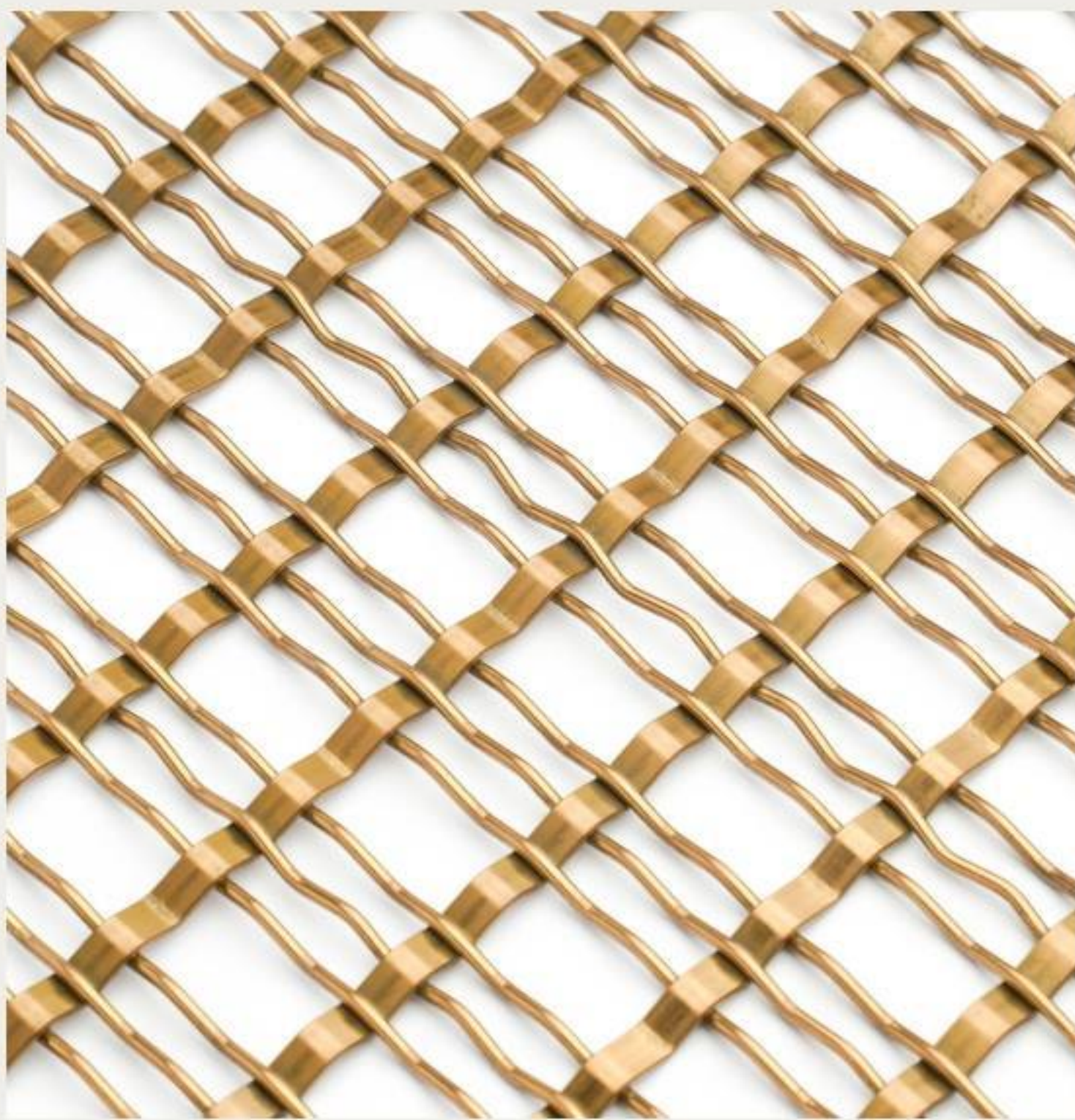
Compare material character, not only colour.

The same mesh geometry can read differently when the base metal changes. Compare tone, reflection, strength and ageing together.



COOL METAL STABILITY

Stainless steel keeps a cleaner architectural reading and supports long-service exterior or high-use interior surfaces.



WARM METAL DEPTH

Brass, bronze and copper bring warmer tone and stronger decorative identity, especially in close-range interiors.

PROJECT NOTES

- Stainless steel is the safer exterior base.
- Aluminum helps reduce weight.
- Warm metals need ageing discussion.
- Carbon steel usually needs coating.

EXPOSURE

Match corrosion resistance to indoor, exterior, humid or coastal conditions.

WEIGHT

Choose lighter bases when ceiling, curtain or large modules need easier handling.

AGEING

Discuss oxidation, patina and touch marks before warm-metal approval.

CLEANING

Finish and base metal should support realistic maintenance expectations.

FINISH MATRIX

Use finish to control tone and protection.

Surface treatment should be selected with the base material. Colour, gloss, reflection and weather resistance all change the final mesh reading.



NATURAL
NATURAL METAL

Original tone, reflection and ageing behaviour of the selected metal.



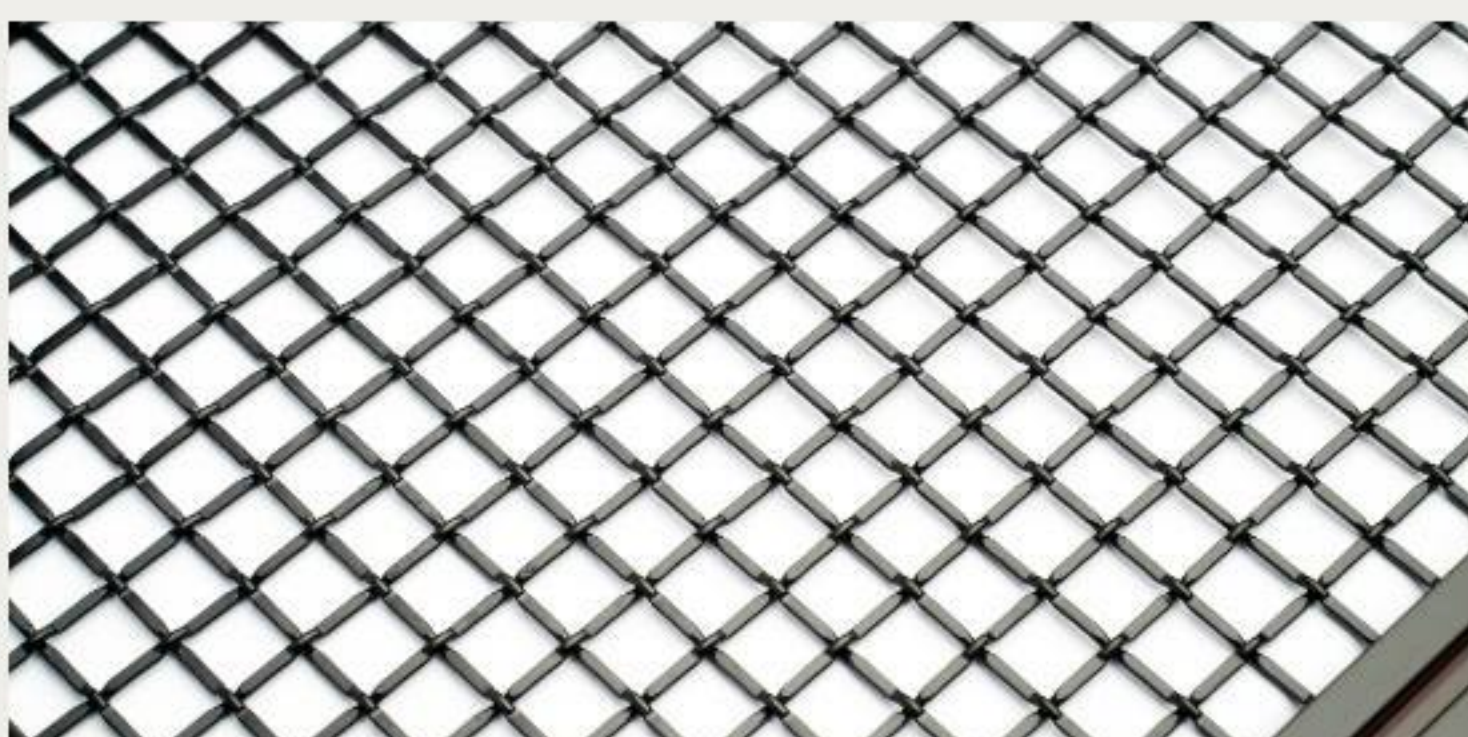
ALUMINUM
ANODISING

Controlled aluminum finish for metallic tone and surface protection.



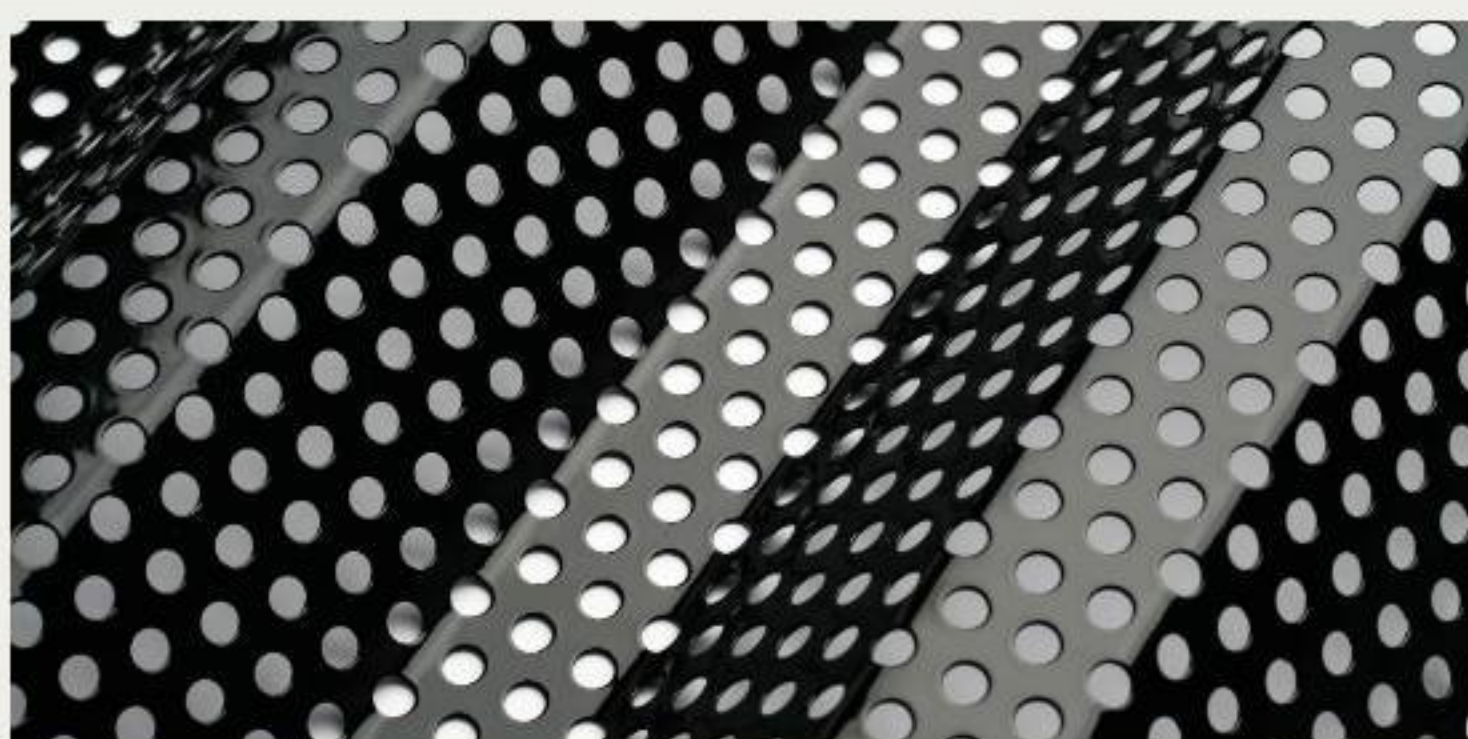
LINEAR
BRUSHED FINISH

Directional texture with softer reflection and refined metal reading.



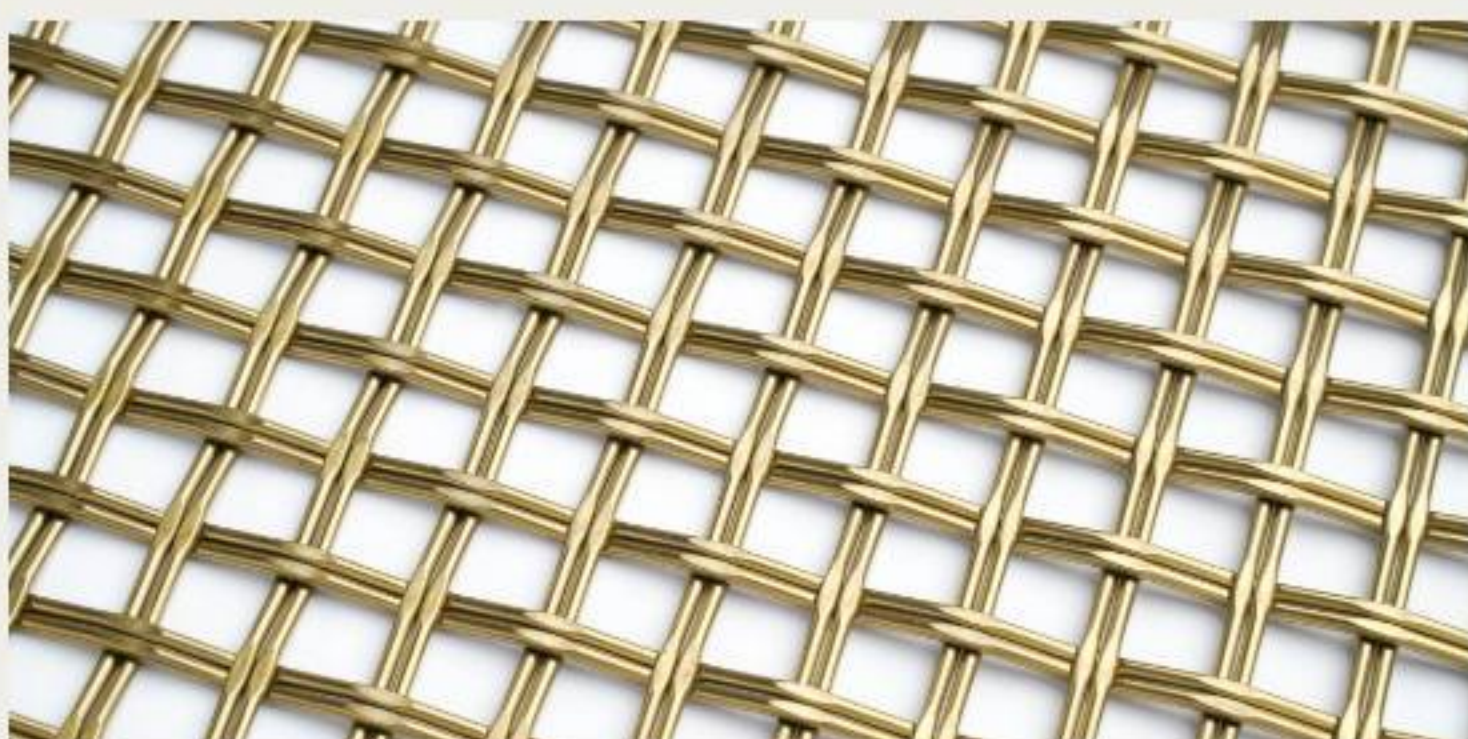
EXTERIOR
FLUOROCARBON COATING

Durable coating route for stable exterior colour and protection.



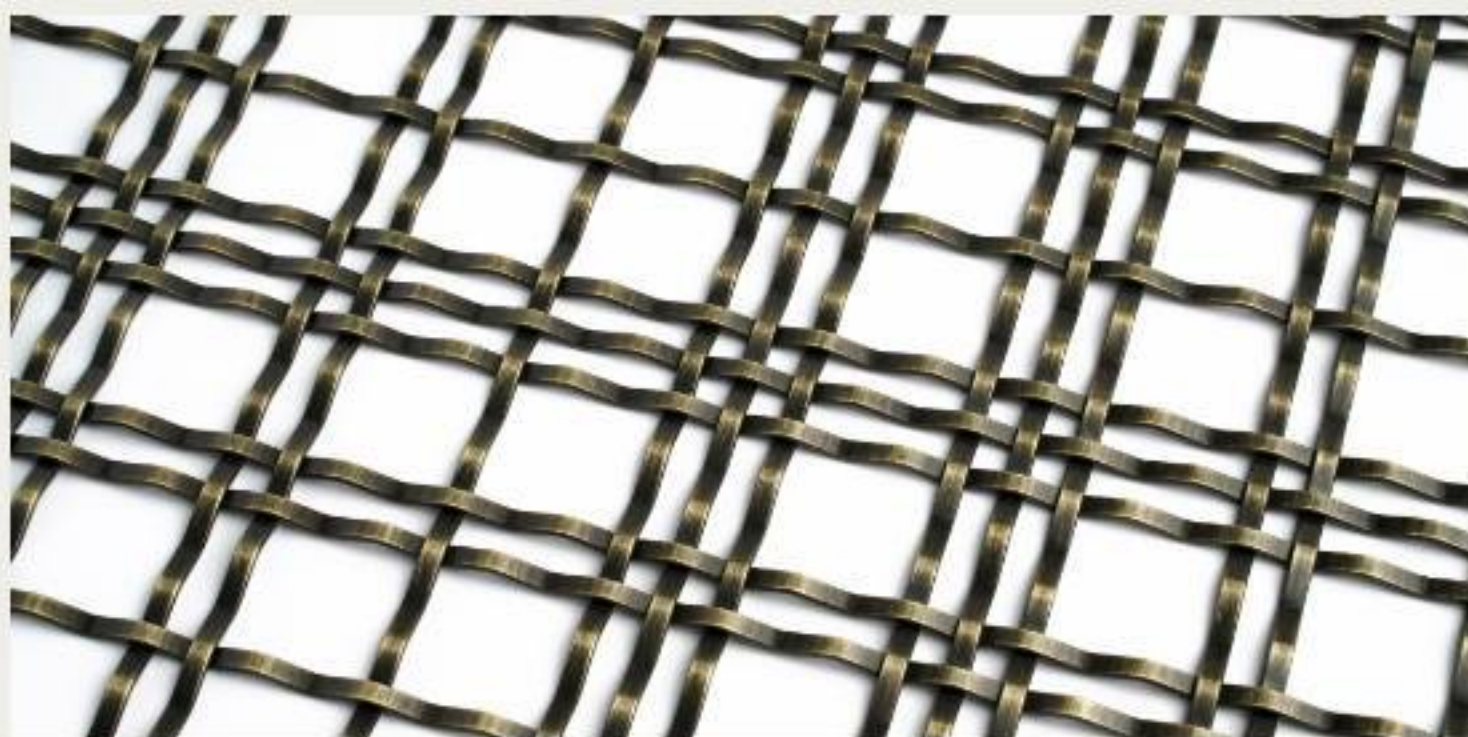
COLOUR
POWDER COATING

Practical colour route for protected architectural mesh surfaces.



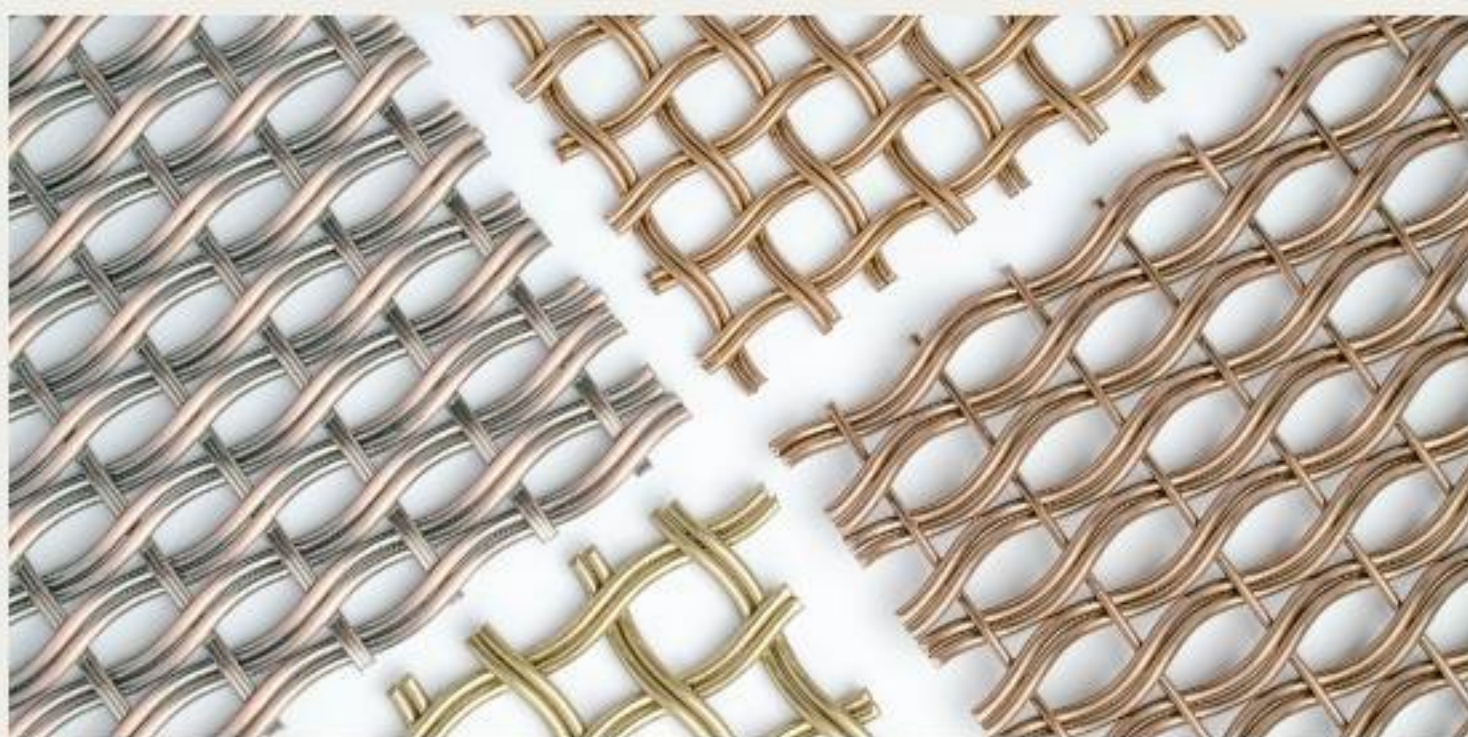
PREMIUM
ELECTROPLATING

Richer metal tones for interiors and project-specific appearance targets.



ANTIQUE
AGED BRONZE

Darker warm-metal direction for mature bronze appearance.



CUSTOM
CUSTOM FINISHES

Project-specific colour, texture, tone or protected surface direction.

REVIEW UNDER REAL LIGHT

- Daylight and warm interior light
- Close sample and full surface view
- Gloss, matte and directional reflection
- Approved sample versus production notes

METAL SURFACE

Keep the metal visible when texture matters.

Natural, anodised, brushed and plated finishes are useful when the project wants visible metal character instead of a flat colour coating.



01 / DIRECT

NATURAL METAL FINISH

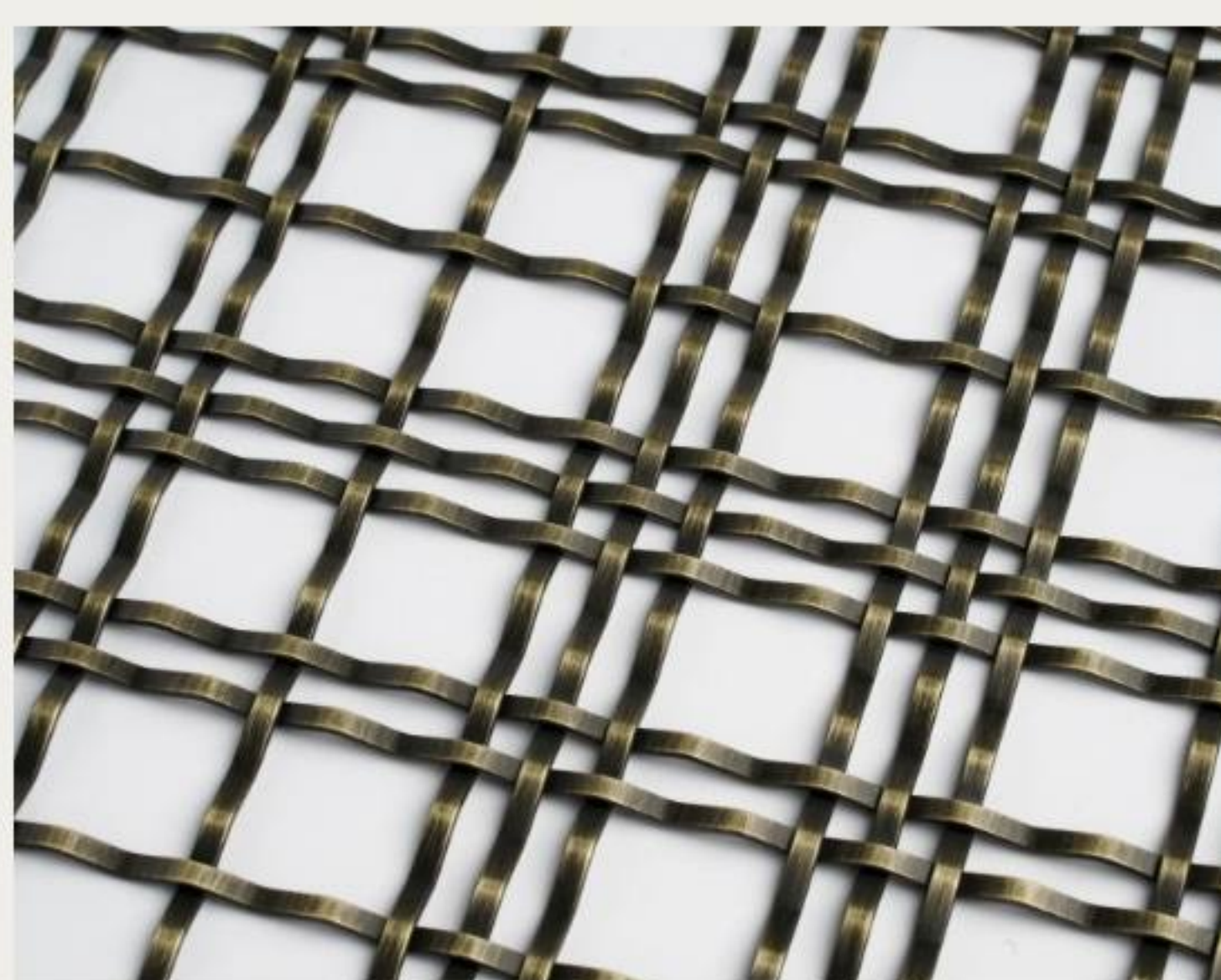
Use when the original metal tone and ageing behaviour are part of the design.



02 / ALUMINUM

ANODISING

Use for controlled aluminum tone, refined colour direction and added protection.



03 / DIRECTION

BRUSHED FINISH

Use when the surface needs linear texture and softer directional reflection.



04 / PLATED

ELECTROPLATING

Use for richer metal tone, refined interiors and more specific appearance targets.

BEST FOR

-  Close viewing distance
-  Hospitality and feature interiors
-  Warm material palettes
-  Directional reflection control

COATING + CUSTOM

Use coatings when colour and protection lead.

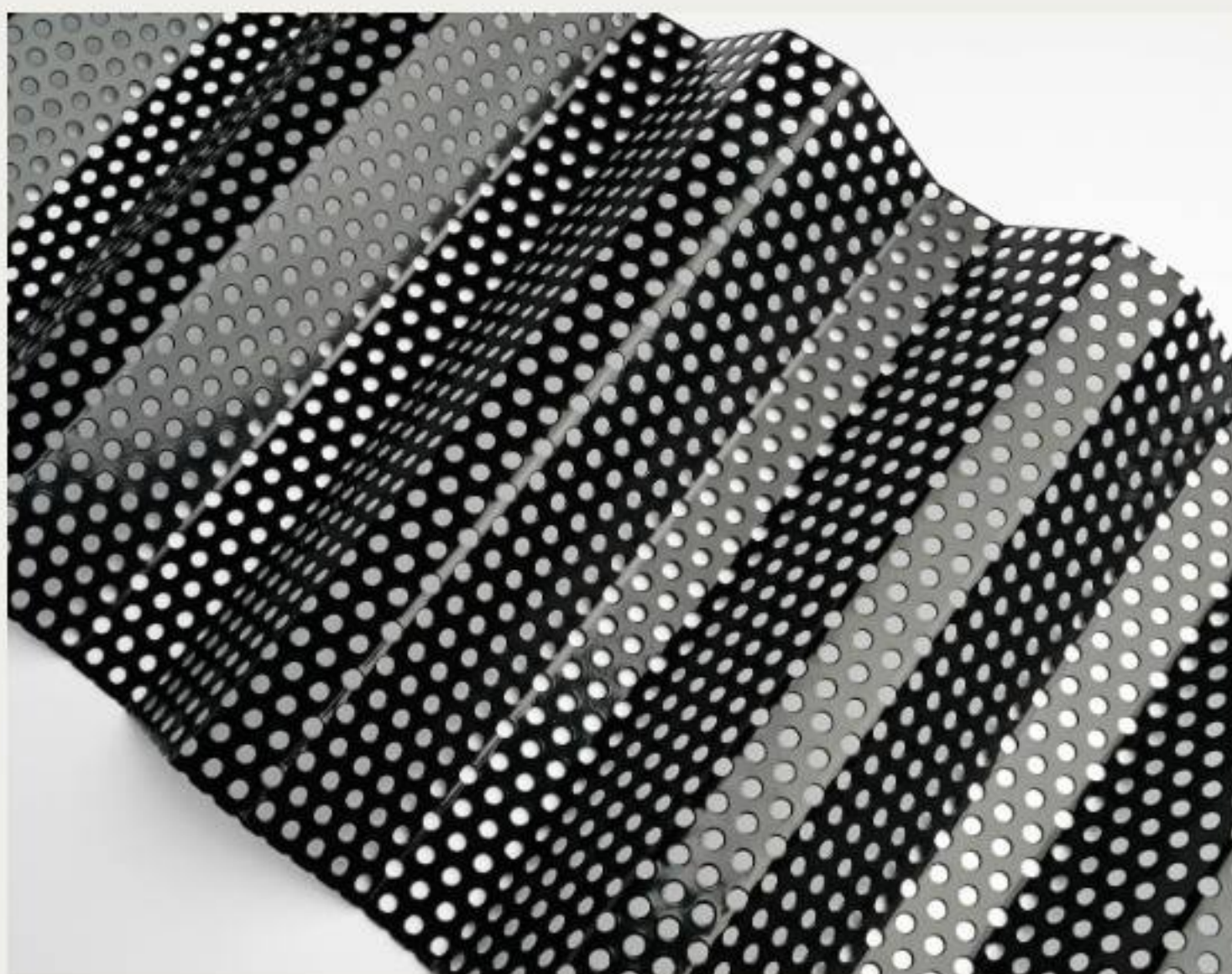
Coating routes work best when a project needs stable colour, stronger protection, a brand tone or a surface that cannot rely on raw metal alone.



01 / EXTERIOR

FLUOROCARBON COATING

Use for exterior architectural mesh needing weather resistance and stable colour.



02 / COLOUR

POWDER COATING

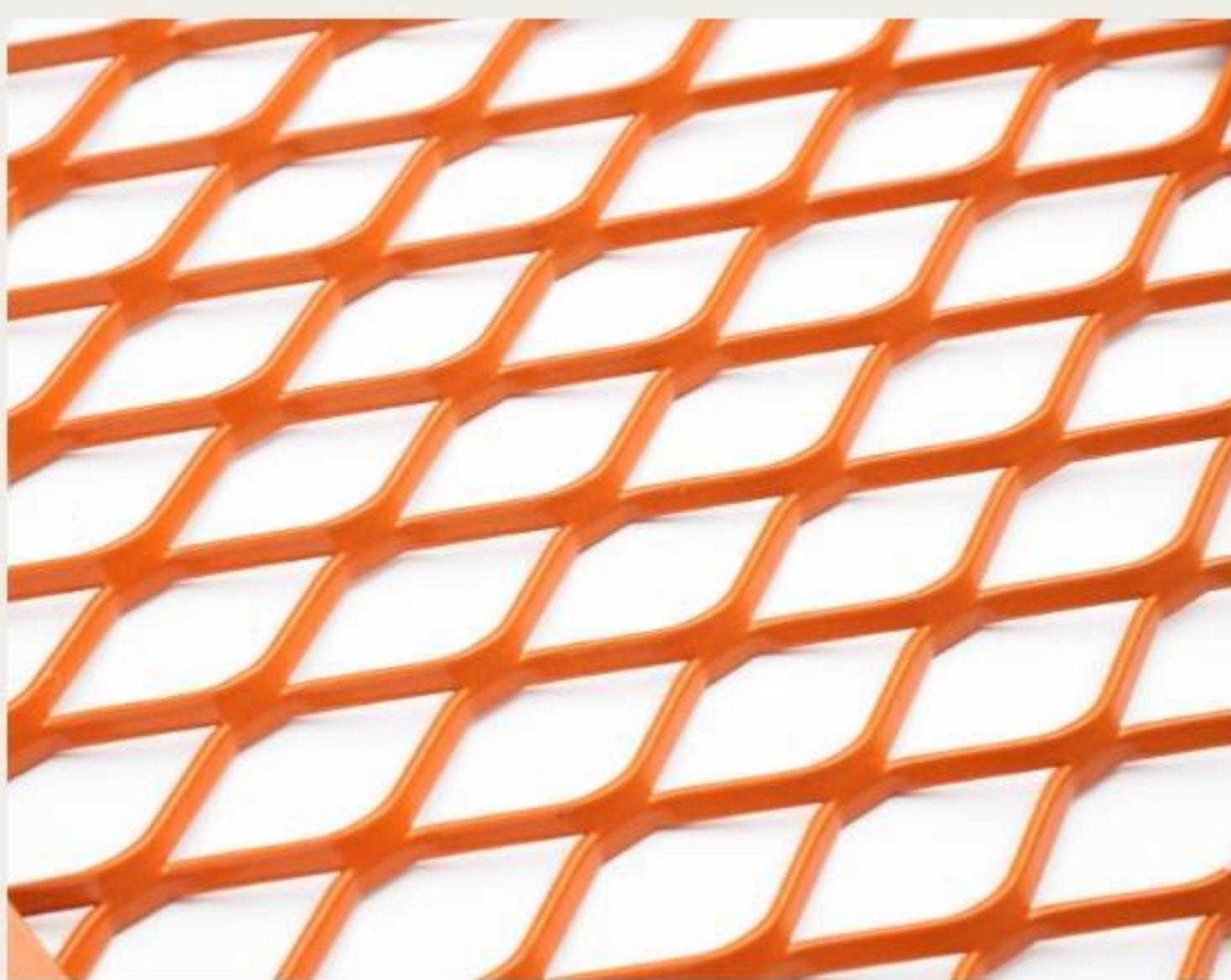
Use for practical custom colour and protected panels, curtains or sheet surfaces.



03 / WARM

AGED BRONZE FINISH

Use when the design needs mature bronze character instead of bright new metal.



04 / PROJECT

CUSTOM FINISHES

Use when colour, texture, tone or protection must be developed for a project.

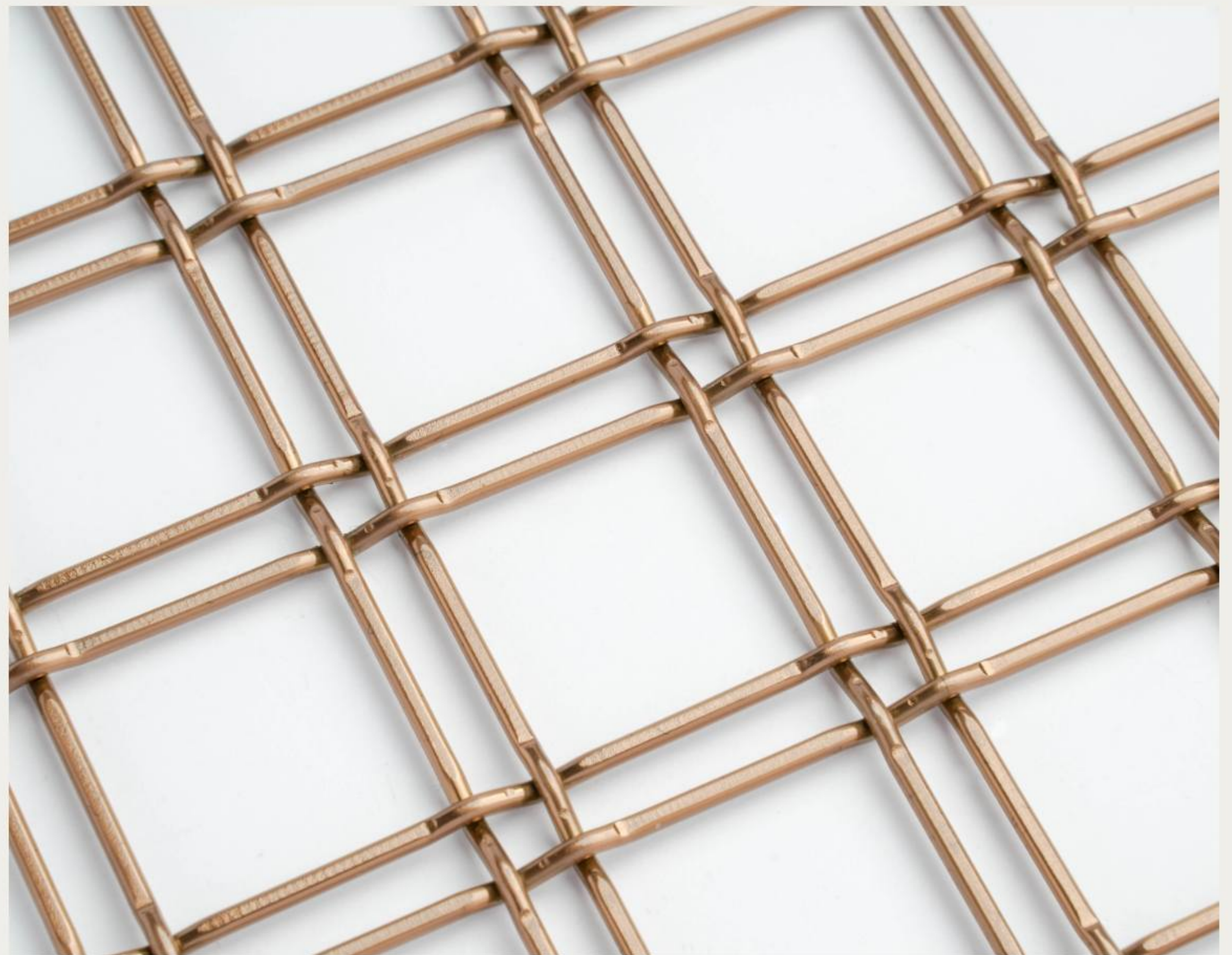
CONFIRM CAREFULLY

- Matte or gloss expectation
- Outdoor colour stability
- Mesh geometry and coating thickness
- Batch, sample and repair notes

SAMPLE APPROVAL

Approve material and finish together.

A finish sample is not only a colour chip. It should show base material, mesh geometry, reflection, coating route and cleaning expectation together.



BEFORE PRODUCTION

- Check sample under project light
- Confirm base metal and finish code
- Record colour, gloss and texture
- Align packing and care notes

01

SHARE CONDITION

Application, exposure, lighting, touch level and cleaning expectation.

02

REVIEW SAMPLE TONE

Compare colour, reflection, texture and base material in one review.

03

LOCK PRODUCTION NOTES

Keep material, finish, packing and care notes aligned with the approved sample.

SPECIFICATION BRIEF

Clear finish brief. Cleaner production route.

Send the application, base material preference, exposure condition, target colour, gloss level and reference image. SGORIA can then narrow the material route, finish process and sample approval sequence before production.

For exterior, coastal, high-touch or colour-critical projects, we suggest reviewing physical samples under project lighting and keeping the approved sample as the production reference.



SCAN FOR MORE

Visit SGORIA online for materials, finishes, samples and project support.

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