
Mirror of the Future • The Flowing Metal Aesthetics
Liquid Metal Stainless Steel | Product Sample Display & Full-Case Customization

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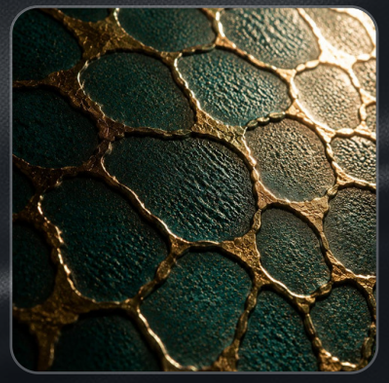
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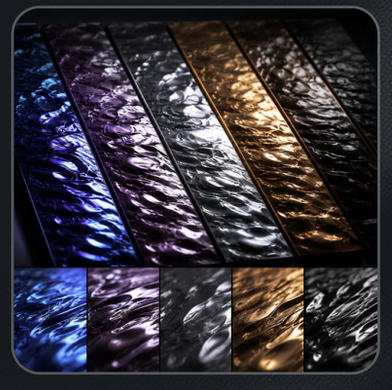
Conceptual Breakthrough – Deeper than a Mirror, Dreamier than Mercury

Liquid Metal Stainless Steel is not actual liquid metal, but a futuristic decorative material. It uses top-grade 304/316L stainless steel as the base material, and through precise PVD technology and nano-level surface treatment, it creates a surface that mimics the fluidity of liquid mercury and the deep, iridescent colors of a galaxy.



From a Cold Metal Plate to a Flowing Art Installation

It is no longer just a metal sheet, but a dynamic art installation that captures and reshapes light. The unique fluid texture creates endless refractions and diffused reflections, endowing the space with unprecedented vitality and layering.



From Monotonous Silver to Spatial Color Magic

It breaks stainless steel's single silver tone. By controlling PVD coating, it presents purple, blue, gold, brown, etc., with subtle gradients under different lights, injecting futuristic visual tension.

Core Value: It represents a new design language, bringing architecture and interiors from static geometry into dynamic light and shadow narratives, offering ultimate material choices for top designers.

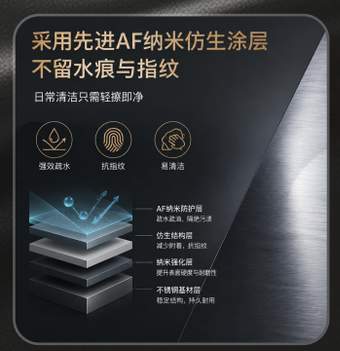
Core Advantages – The Four Irreplaceable Material Genes

01 Flowing Phantom Colors, Dynamic Aesthetics

The combination of microscopic fluid textures and the optical effect of the PVD coating results in a delicate color gradient from blue-purple to silver-gray, and from gold-brown to jet-black, depending on the viewing angle and light. Every movement offers a new visual experience, endowing the space with vivid and changing vitality.

02 Ultimate Mirror Finish, Soft and Non-Glaring

The base material undergoes 8K precision grinding, with a reflectivity close to a top mirror. However, thanks to the unique fluid texture on the surface, light is cleverly scattered and softened, creating an "advanced filter effect" between a mirror and soft light. It has the transparency and extension of a mirror, while avoiding the light pollution and coldness of ordinary mirrors.



03 Nano Fingerprint-Free, Ultimate Easy to Clean

The surface adopts advanced AF (Anti-Fingerprint) nano-coating technology. Based on the bionic lotus leaf principle, it forms a transparent protective film only a few micrometers thick on the metal surface, making the surface contact angle greater than 115°. Water droplets and oil stains roll off perfectly in a bead shape without leaving marks; daily fingerprints and stains are difficult to adhere, and it can be cleaned with a damp cloth.

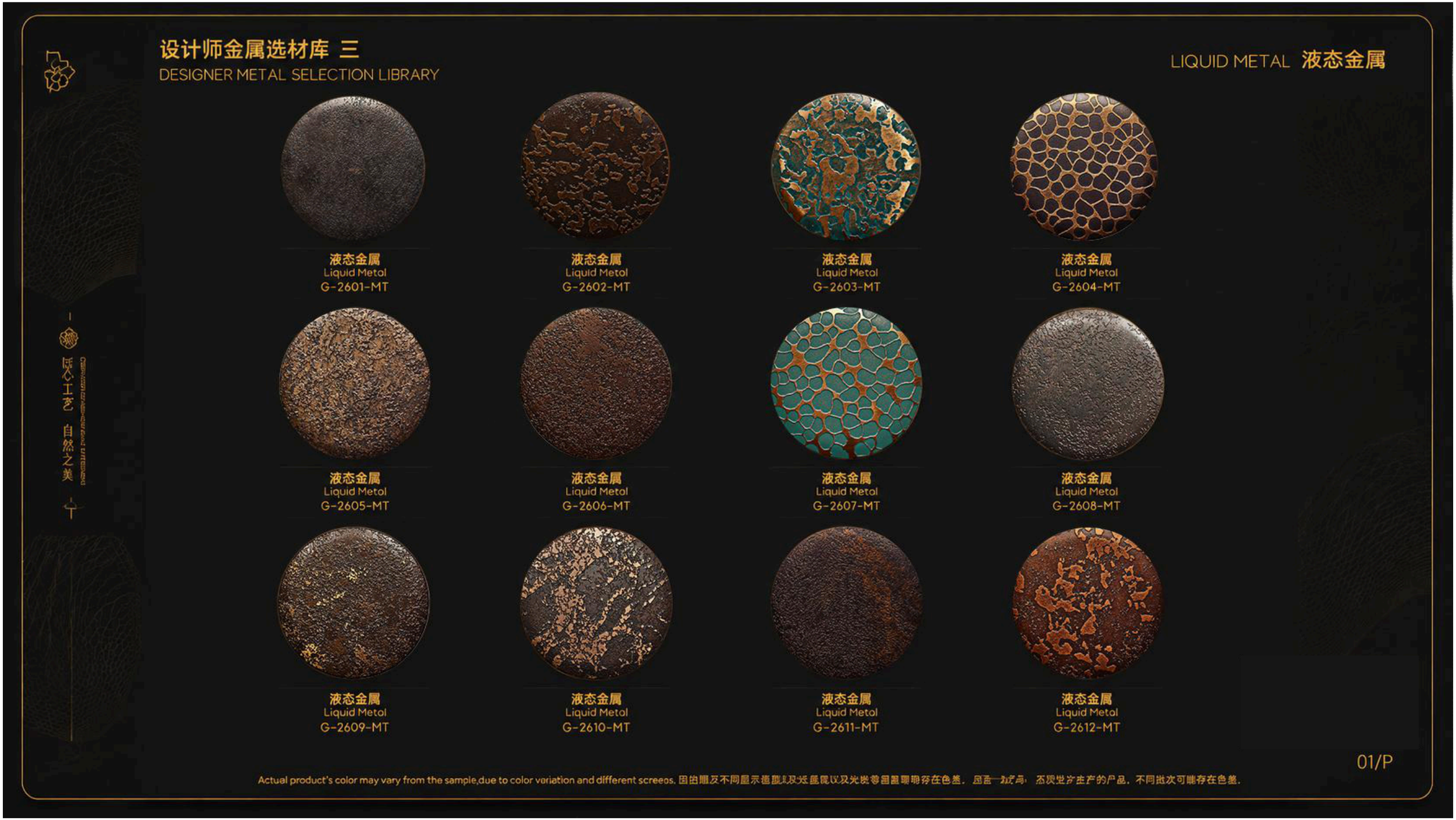


04 Scratch and Corrosion Resistant, Timeless Beauty

The core PVD coating achieves atomic-level bonding with the base material, forming a dense and non-porous protective layer. Its surface hardness is as high as 2000-2500 HV (Vickers hardness), second only to diamond, effectively resisting daily scratches and wear. It has passed more than 1000 hours of neutral salt spray test (ASTM B117 standard) without any signs of rust, ensuring a service life of over 20 years in various harsh indoor and outdoor environments.


Style Sample Gallery

Liquid-metal finish collection



Samplez

Supplier catalogue examples, not completed Samplez projects.

Final materials, dimensions and performance are confirmed for each project.

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Liquid-metal finish collection



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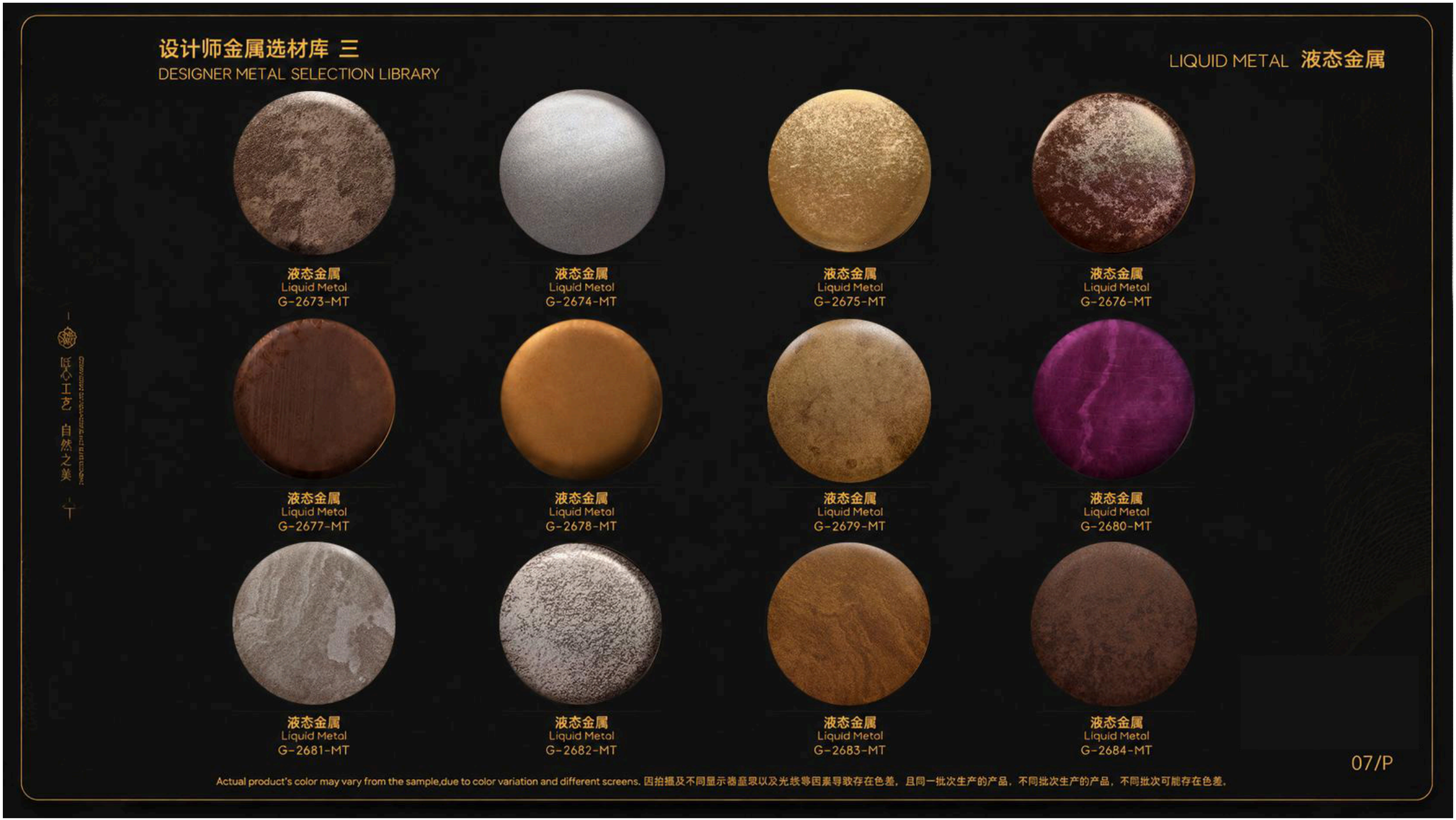
Liquid-metal finish collection



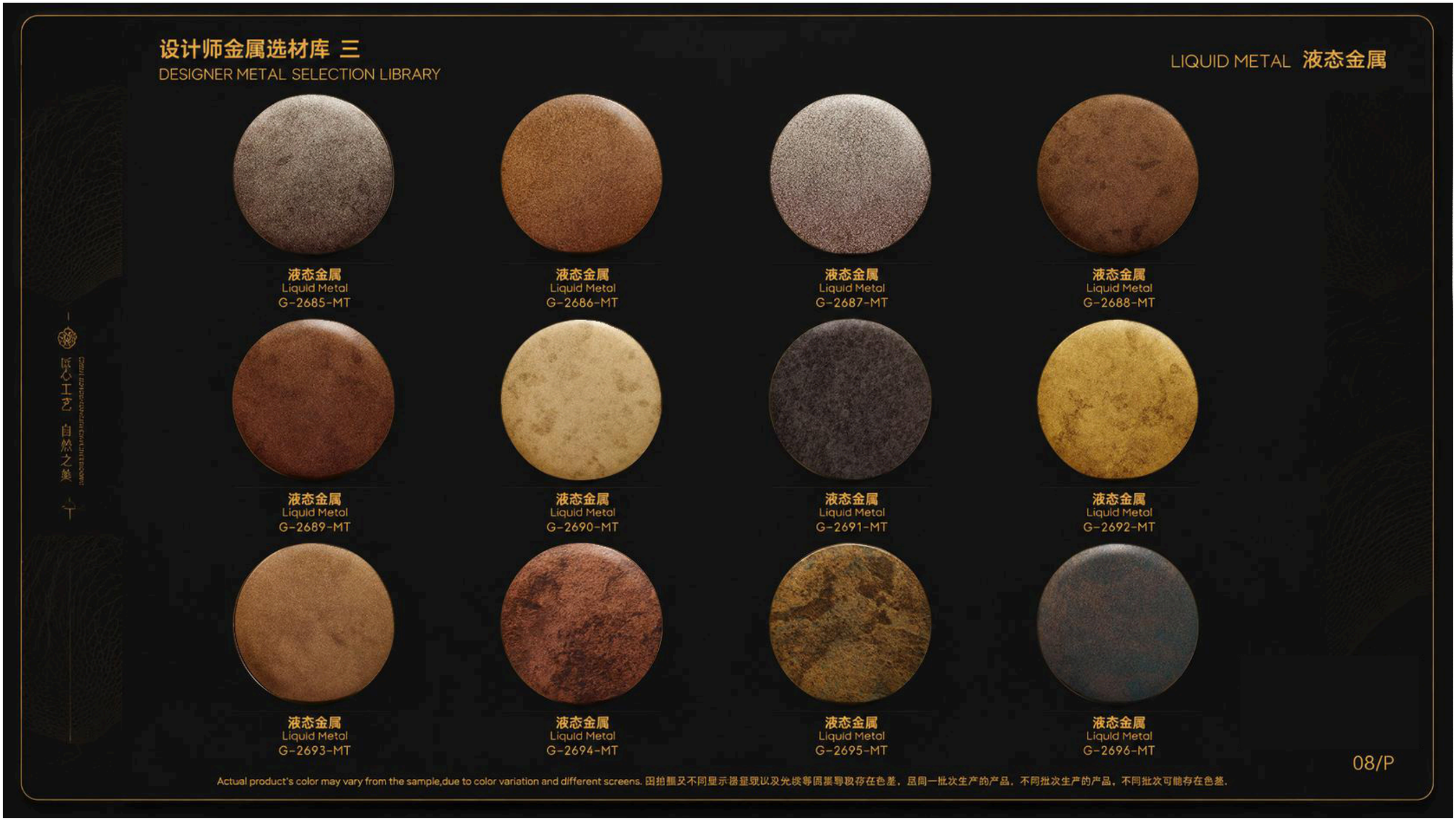
Liquid-metal finish collection



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Liquid-metal finish collection



Process Decryption – The Crystallization of Technology and Aesthetics



Core Technology 1: PVD Vacuum Coating

Principle: In a 10^{-3}Pa high-vacuum environment, precious metal targets (Ti, Zr) are vaporized into ions, which bombard and deposit on the stainless steel surface at high speed, forming an ultra-hard metal-ceramic film with atomic-level bonding to the substrate.

- Super Strong Adhesion
- Hardness up to 8H+
- Rich Colors
- Environmentally Friendly

Core Technology 2: Nano-Grade Protective Coating (AF Coating)

Principle: A 1-3μm transparent nano-protective liquid is coated on the PVD layer and cured at high temperature to form a dense 3D molecular barrier, like an "invisible armor" for ultimate stain resistance and self-cleaning.

- Hydrophobic & Oleophobic
- Fingerprint Resistant
- Weather & Stain Resistant
- Long-lasting Gloss

Space Cases – When Art Enters Reality (I)



Case 1: Luxury Hotel – Visual Focal Point

Interwoven metallic textures form an understated, luxurious backdrop. Light and shadow drift across curved wall panels, rippling with soft, layered luster.
Every custom metal component embodies exquisite craftsmanship. Serene and sophisticated, it fosters a tranquil, relaxing ambiance for a refined stay.

"The flowing metal texture breaks the dullness of static space, making every stop a dialogue with art and redefining the lobby standard of luxury hotels."



Case 2: Commercial Landmark – Brand Gravity

with matte texture avoiding light pollution, perfectly interprets the brand's classic nobility.

"The restrained matte metal texture integrates with architectural aesthetics, becoming a highly recognizable artistic symbol in the urban commercial skyline."

Space Cases – When Art Enters Reality (II)



Case 3: Top-Tier Private Residence

A backdrop of**Hand-Forged antique green copper**sets the artistic tone, with its unique texture & retro color showcasing extraordinary taste.

Highlights: Hand-Forged • Retro Texture • Customized Aesthetics



Case 4: Art Installation

Application: Public art space. Artists use liquid metal's reflectivity to create sculptures

Highlights: Liquid Tension • Light Interaction • Urban Landmark

Project coordination - from specification to supply

Samplez coordinates the agreed project supply scope. Materials, dimensions, finishes and responsibilities are confirmed before ordering.



Supplier production reference. Facility ownership and capacity are not claimed by Samplez.

01 Project specification

Confirm drawings, dimensions, materials and finish before ordering.

02 Samples & confirmation

Agree the sample, finish and acceptance requirements for your order.

03 Production coordination

Production and checks follow the specification agreed for the project.

04 Supply ready for installation

Supply scope and delivery are agreed before ordering. On-site installation is handled by the customer or contractor.

Your project. Ready for installation.

Partitions, counters, decorative mesh and stainless steel finishes can be coordinated to the agreed project specification.

Finishes, dimensions, materials and the supply scope are agreed before ordering.

On-site installation is handled by the customer or contractor.

Discuss your specification: or@samplez.co.il | samplez.co.il

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