
L A M I N A T E D G L A S S W I T H M E S H I N T E R L A Y E R S

Mesh Glass.

Architectural laminated glass with metal mesh and metallised fabric interlayers.

Contents

A complete guide to the KAPHS Mesh Glass system — concept, lamination process, applications and the full 62-pattern product library across four ranges.

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Engineered light, woven into glass.

KAPHS Mesh Glass is a premium laminated glass system that integrates high-performance metal mesh and metallised fabric interlayers between glass plies. The result is a single architectural surface that combines safety, depth, texture and material character — without compromising light transmission.

Developed for modern architecture, the collection enables specifiers to bring metallic pattern, refined diffusion and visual weight into transparent assemblies for façades, partitions, balustrades, doors and feature cladding.

4

RANGES

62

PATTERNS

∞

GLASS BUILD-UPS

A premium laminated glass solution.

Architectural laminated glass

KAPHS Mesh Glass is a premium laminated glass solution that integrates high-performance mesh interlayers to deliver a unique combination of visual depth and contemporary design. Engineered for modern architecture, our mesh glass enhances transparency while introducing refined texture, light diffusion and material character.

Our collection features a diverse range of metal mesh and metallised fabric interlayers, designed to meet both aesthetic and functional requirements across applications including partitions, balustrades, façades, doors and interior wall cladding.

Each panel is engineered to meet contemporary safety and performance standards while serving as a finished architectural surface in its own right.



How Mesh Glass is made.

01

Mesh selection

A metal mesh or metallised fabric interlayer is selected for pattern, density and finish.

02

Glass preparation

Two or more plies of float or low-iron glass are cut, edged and cleaned to lamination standard.

03

Lamination

The mesh is sandwiched with high-clarity PVB or EVA interlayer film and bonded under heat and pressure in an autoclave.

04

Inspection & finish

Every panel is inspected for optical clarity, bond integrity and edge quality before dispatch.

Applications

Where Mesh Glass performs — partitions, balustrades, doors, cladding and façades.

Glass Partitions

Architectural use

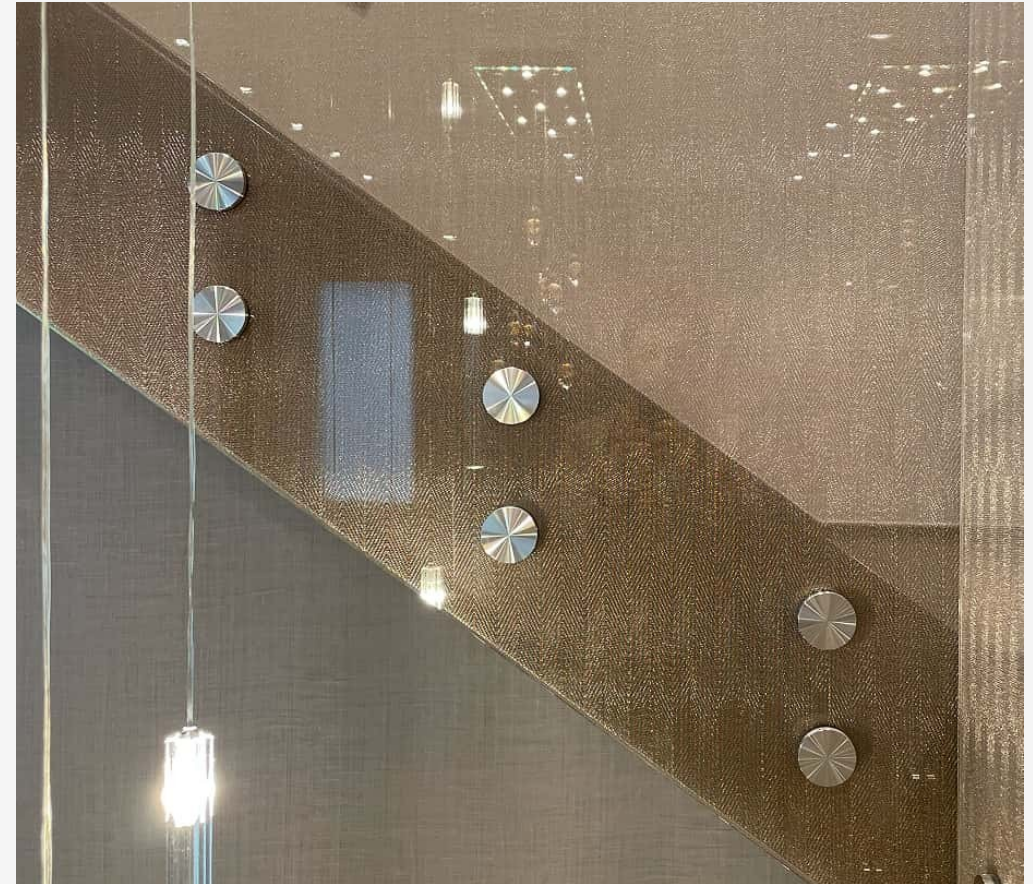
Used in laminated glass partitions, mesh interlayers balance openness and privacy. Ideal for offices, hospitality and high-end interiors where transparent separation must still carry visual depth, brand identity and tactile character.



Balustrades & Railings

Architectural use

In laminated glass balustrades, mesh interlayers add safety and structural integrity while introducing subtle or bold visual texture. Suitable for staircases, balconies and atriums in residential, hospitality and commercial projects.



Doors & Enclosures

Architectural use

Applied in laminated glass doors and enclosures, mesh interlayers provide privacy, durability and refined aesthetics without sacrificing light transmission. A premium alternative to frosted or sandblasted glass.



Wall Cladding & Feature Panels

Architectural use

For glass wall cladding, mesh interlayers create depth and metallic texture within the glass — ideal for feature walls, lobbies, branded spaces and statement architectural surfaces.



Façades & Exterior Glass

Architectural use

Integrated into laminated glass façades, metallised fabric mesh interlayers enhance light diffusion, support solar control and reinforce architectural identity — engineered for external use and heat resistance.



Interlayer Categories

Two material families — metal mesh and metallised fabric mesh — each with its own architectural language.

Metal Mesh Interlayers

What it is

Metal mesh interlayers are produced from continuous metal wires and ribbons in a wide range of weaves, grids and decorative patterns. Laminated between glass plies, they deliver substantial metallic presence with controlled transparency — bringing architectural weight, surface relief and bespoke character into the glass itself.

The metal mesh family is organised into three ranges — LinearMesh, DecoMesh and CoreMesh — addressing linear, decorative and structural design directions respectively.

Defining traits

- Strong metallic identity within the glass
- Controlled visibility and privacy
- Wide range of weaves, gauges and finishes
- Suited to interior and protected exterior use

Metallised Fabric Mesh Interlayers

What it is

Metallised fabric mesh interlayers combine the softness of textile structures with metallic finishes, creating laminated glass with layered transparency and a luminous, fabric-like character. The lightweight, flexible composition allows large panel sizes and enhanced light diffusion — making this family especially suited to façades, ceilings and large-scale architectural surfaces.

Metallised fabrics are heat-resistant and engineered for exterior performance where solar control and architectural identity are required.

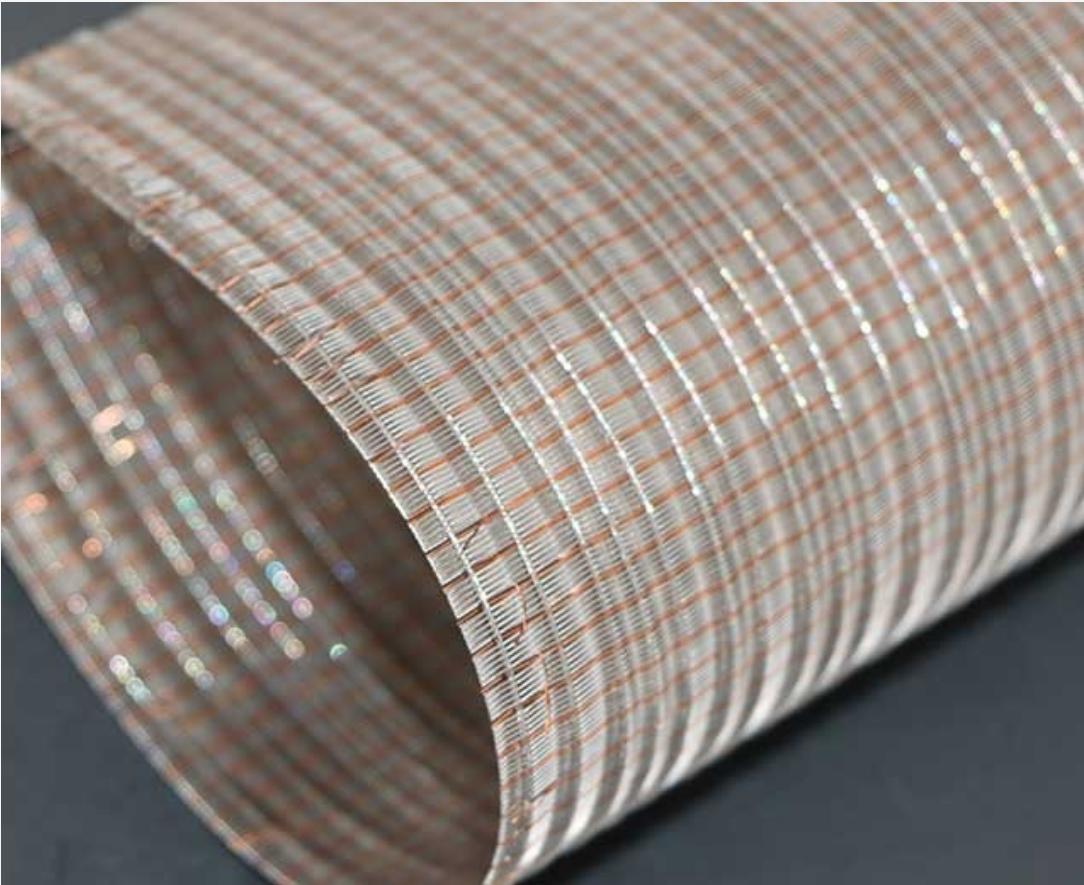
Defining traits

- Soft, fabric-like aesthetics with metallic sheen
- Lightweight and flexible composition
- Enhanced light diffusion and solar control
- Suitable for external and heat-exposed applications

Product Range

62 patterns across four ranges — LinearMesh, DecoMesh, CoreMesh and Metallised Fabric Mesh.

LinearMesh



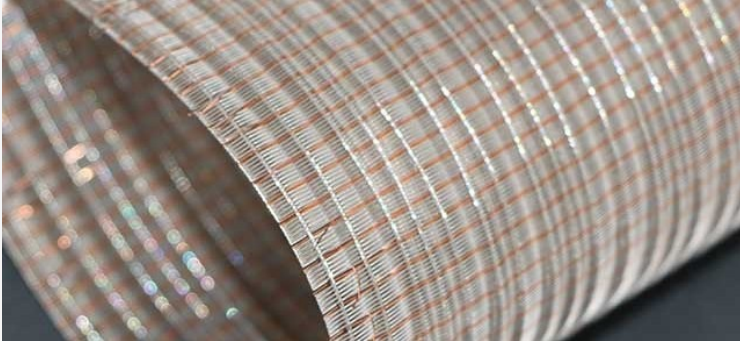
About this range

LinearMesh interlayers feature elongated, directional wire formations that create a sense of movement and rhythm within the glass. Strong linear orientation — horizontal or vertical — combines with subtle flow and refined texture, producing a minimalist yet dynamic visual language across multiple densities. Ideal for spaces requiring clean lines, continuity and modern sophistication.

13

PATTERNS IN THIS RANGE

LinearMesh — The complete range



Alvora PB

KAPHS-LM-ALVORA-PB



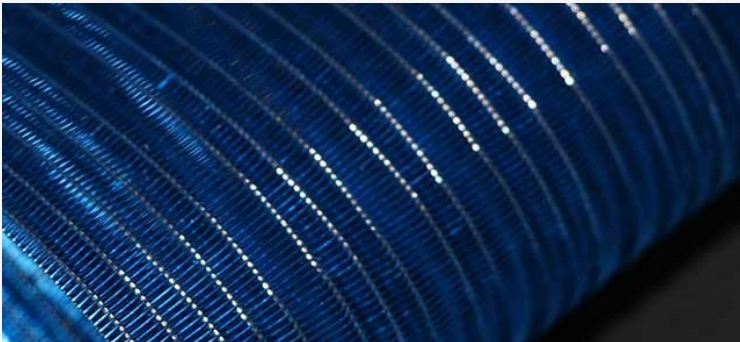
Aurion AG

KAPHS-LM-AURION-AG



Azura SB

KAPHS-LM-AZURA-SB



Cobalt CB

KAPHS-LM-COBALT-CB



Corda CBR

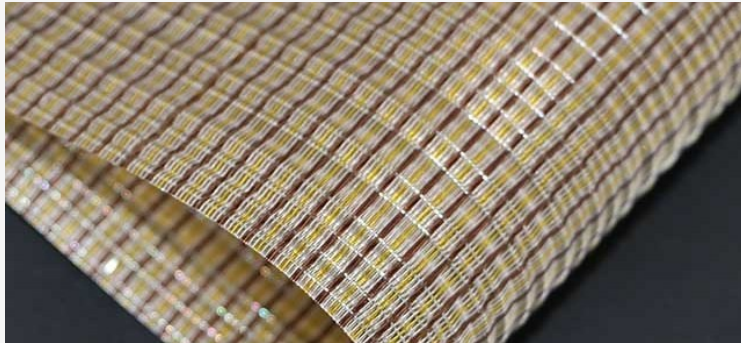
KAPHS-LM-CORDA-CBR



Horizon SS

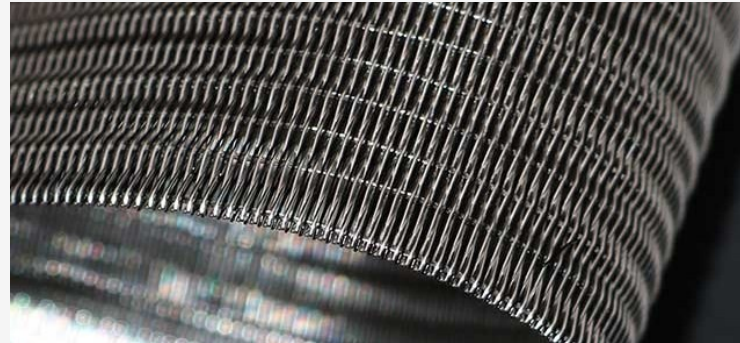
KAPHS-LM-HORIZON-SS

LinearMesh — The complete range



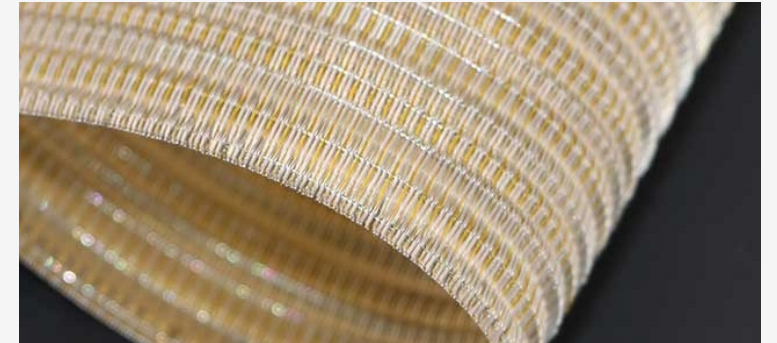
Luxara AG

KAPHS-LM-LUXARA-AG



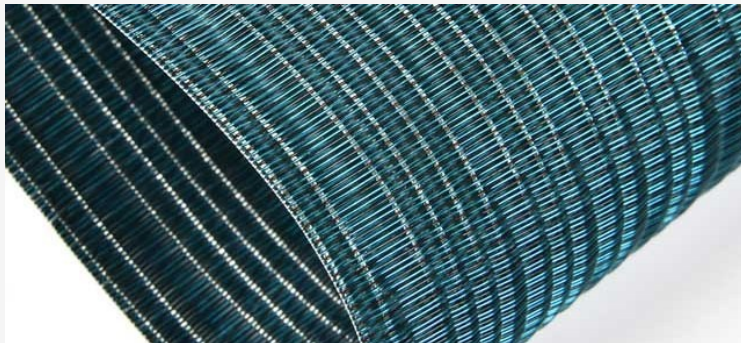
Platra PS

KAPHS-LM-PLATRA-PS



Striya CG

KAPHS-LM-STRIYA-CG



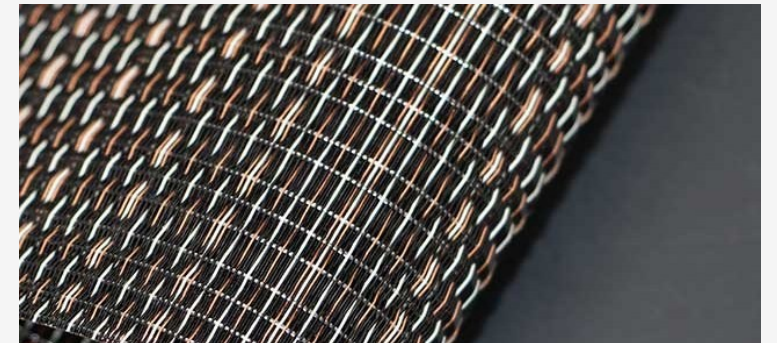
Tevon TM

KAPHS-LM-TEVON-TM



Velora RC

KAPHS-LM-VELORA-RC



Veltor CB

KAPHS-LM-VELTOR-CB

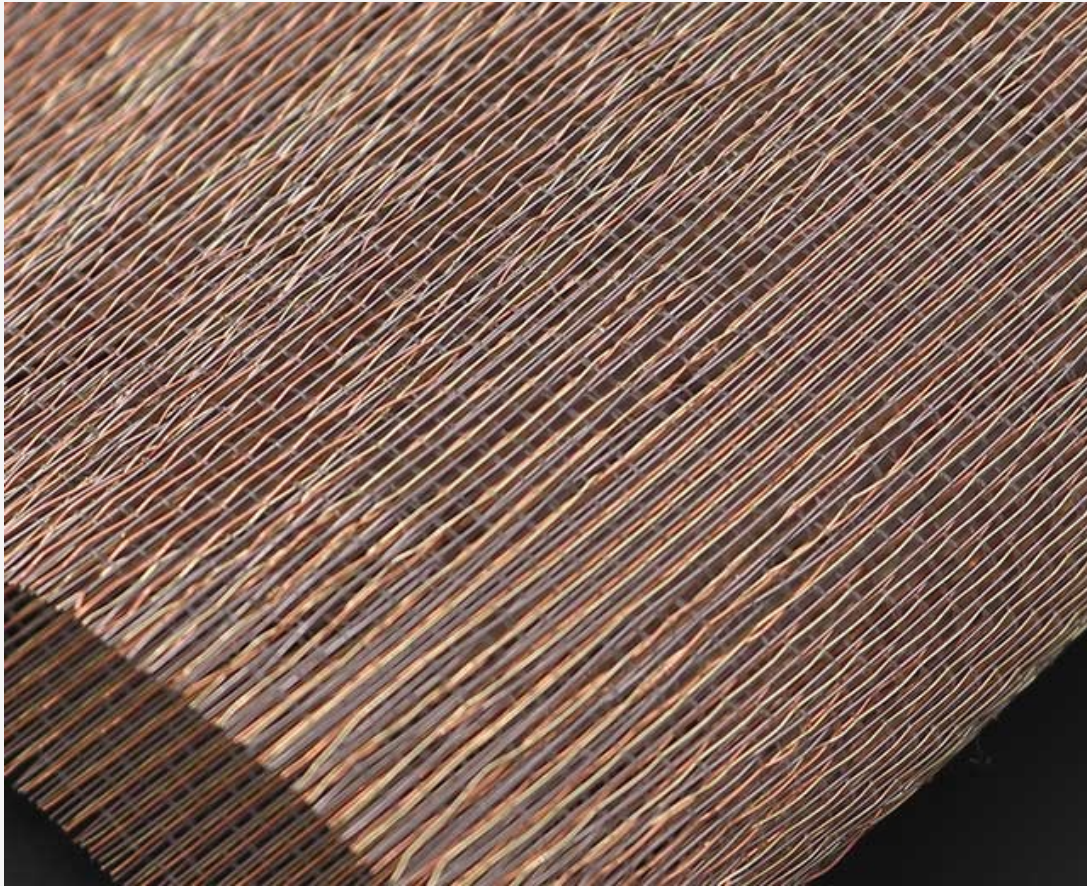
LinearMesh — The complete range



Rivara LG

KAPHS- LM-RIVARA-LG

DecoMesh



About this range

DecoMesh introduces decorative woven patterns that enhance the visual identity of laminated glass. With a focus on texture and design variation, this range provides intricate and expressive mesh patterns, enhanced light diffusion and visual depth, a wide variety of material combinations and balanced openness for both privacy and transparency. Perfect for architectural designs seeking distinctive surfaces and visual impact.

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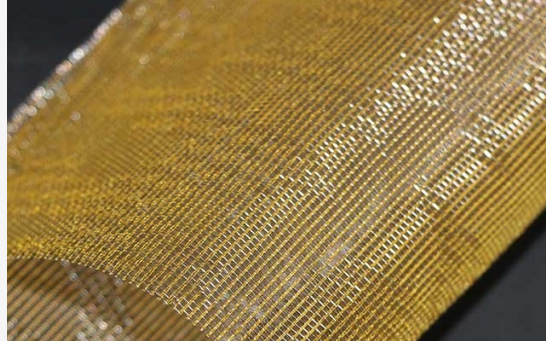
PATTERNS IN THIS RANGE

DecoMesh — The complete range



Auris RGD

KAPHS-DM-AURIS-RGD



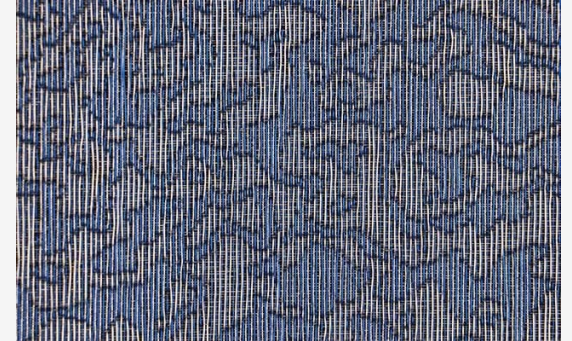
Aurora DG

KAPHS-DM-AURORA-DG



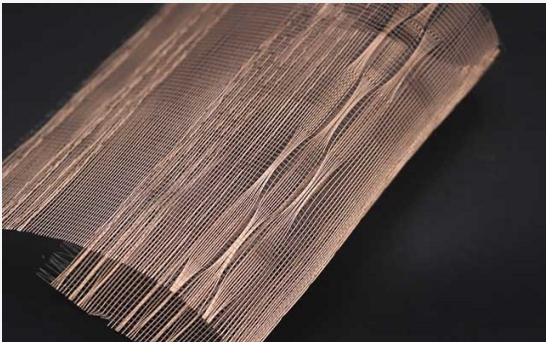
Camon AGD

KAPHS-DM-CAMON-AGD



Camon CBS

KAPHS-DM-CAMON-CBS



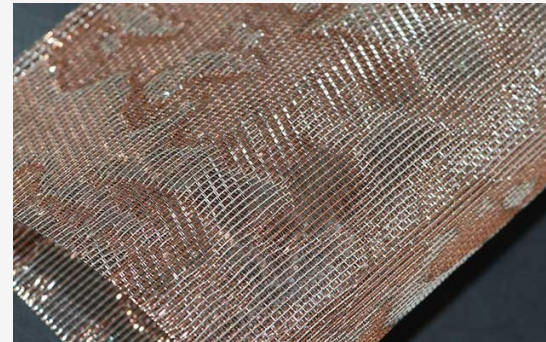
Drapex CT

KAPHS-DM-DRAPEX-CT



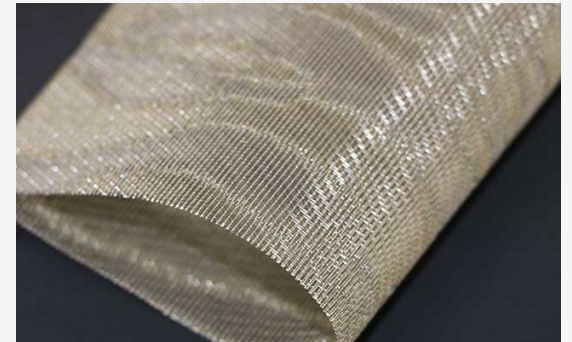
Elara CBG

KAPHS-DM-ELARA-CBG



Floran RC

KAPHS-DM-FLORAN-RC



Floria CG

KAPHS-DM-FLORIA-CG

DecoMesh — The complete range



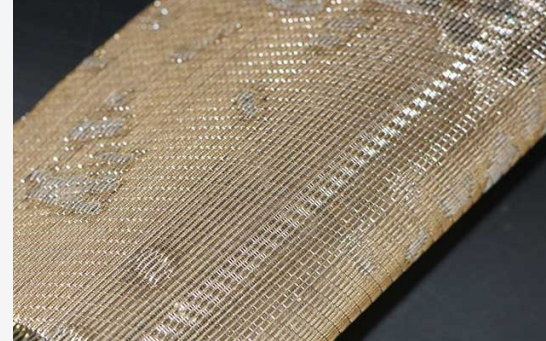
Floris PG

KAPHS-DM-FLORIS-PG



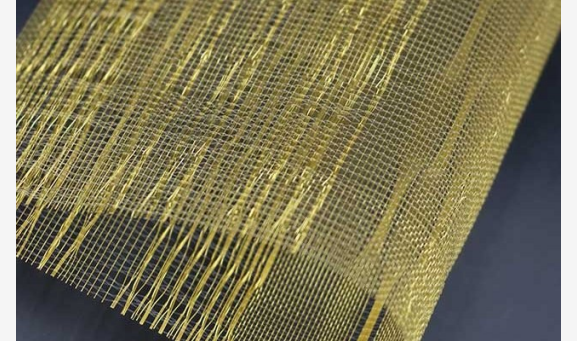
Florisia MGD

KAPHS-DM-FLORISIA-MGD



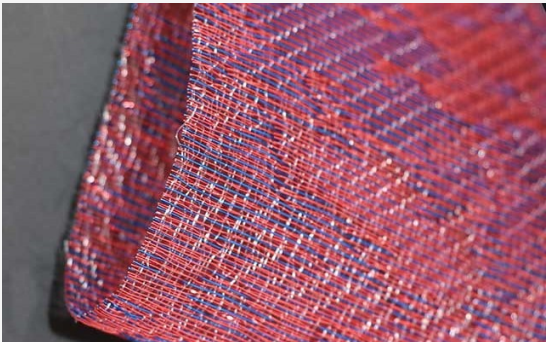
Florix SGD

KAPHS-DM-FLORIX-SGD



Fraya MG

KAPHS-DM-FRAYA-MG



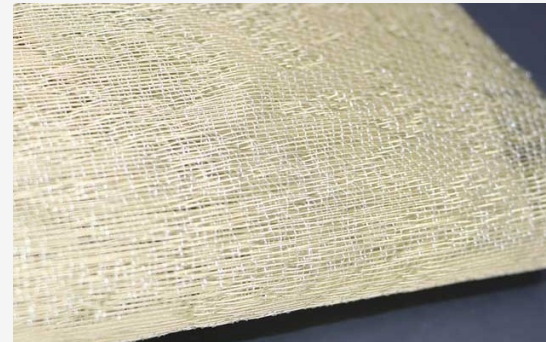
Fusion CBL

KAPHS-DM-FUSION-CBL



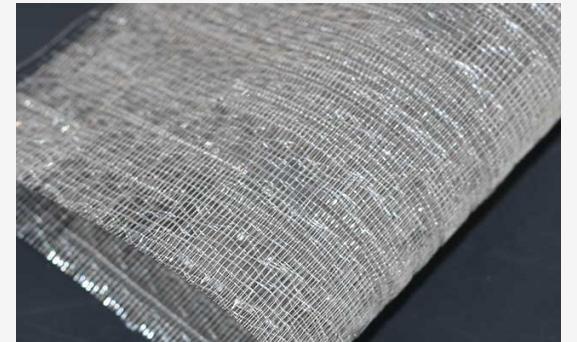
Graelo ASG

KAPHS-DM-GRAELO-ASG



Lina IB

KAPHS-DM-LINA-IB



Mirel SSG

KAPHS-DM-MIREL-SSG

DecoMesh — The complete range



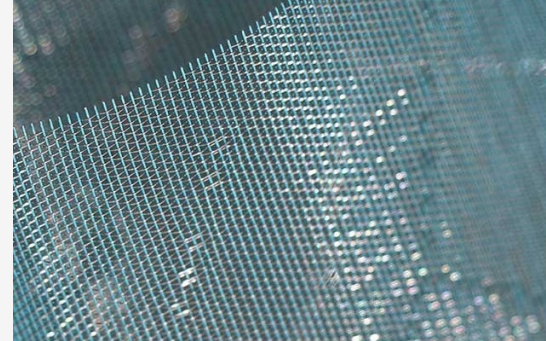
Obsidia CBK

KAPHS-DM-OBSIDIA-CBK



Orlia CG

KAPHS-DM-ORLIA-CG



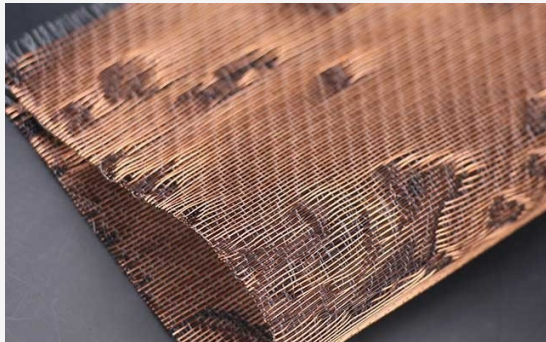
Orlia TB

KAPHS-DM-ORLIA-TB



Oxira OCB

KAPHS-DM-OXIRA-OCB



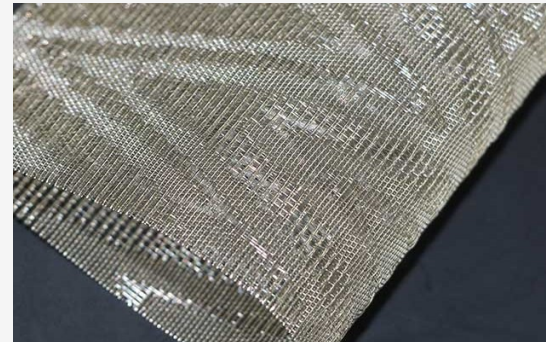
Patina PC

KAPHS-DM-PATINA-PC



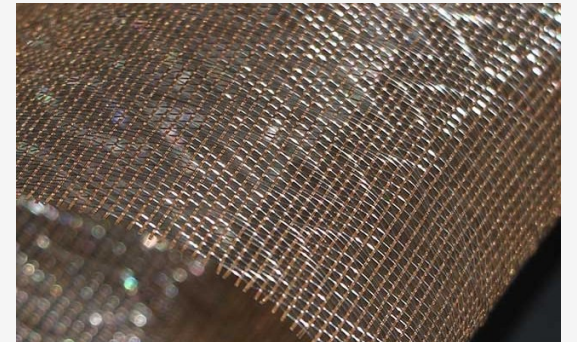
Plexar SG

KAPHS-DM-PLEXAR-SG



Pyra PGD

KAPHS-DM-PYRA-PGD



Pyron CBR

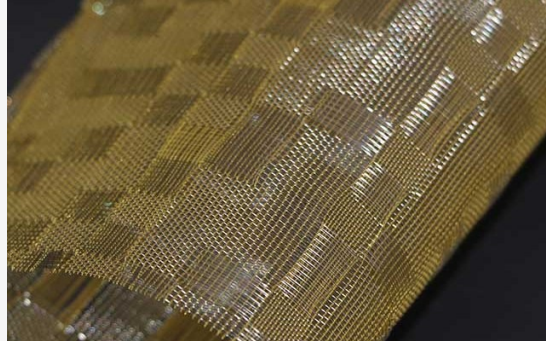
KAPHS-DM-PYRON-CBR

DecoMesh — The complete range



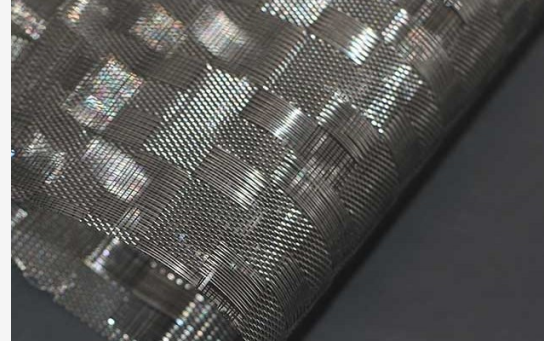
Strata SG

KAPHS-DM-STRATA-SG



Tessa AGD

KAPHS-DM-TESSA-AGD



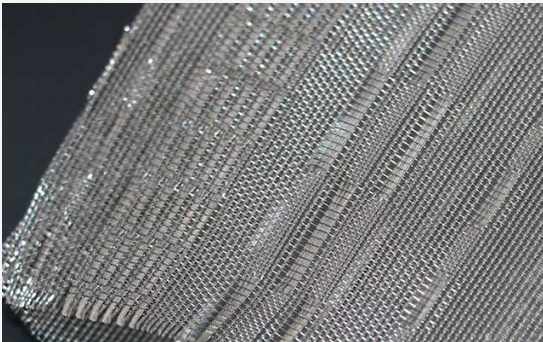
Tessa GM

KAPHS-DM-TESSA-GM



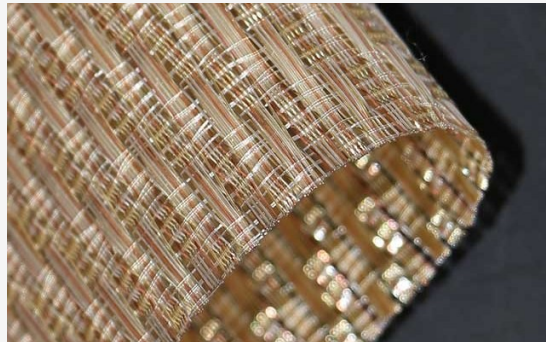
Topo AGD

KAPHS-DM-TOPO-AGD



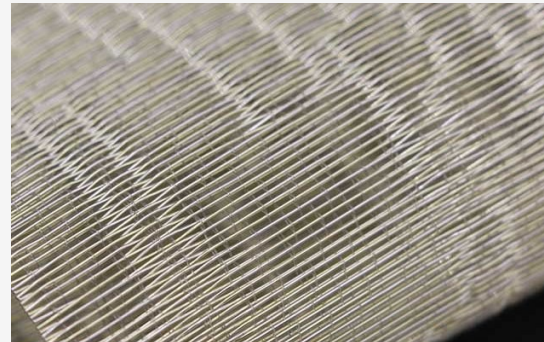
Vara BS

KAPHS-DM-VARA-BS



Varel CG

KAPHS-DM-VAREL-CG



Velin CS

KAPHS-DM-VELIN-CS



Veora PG

KAPHS-DM-VEORA-PG

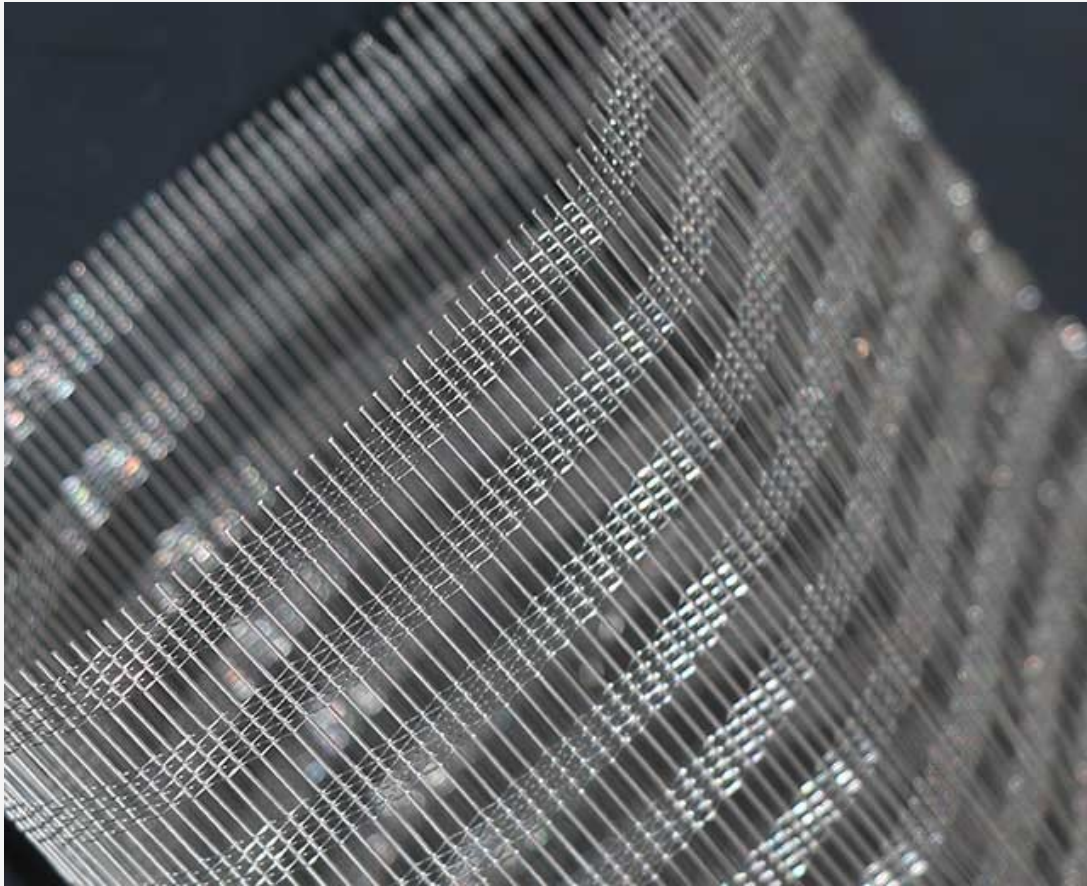
DecoMesh — The complete range



Verdis WC

KAPHS-DM-VERDIS-WC

CoreMesh



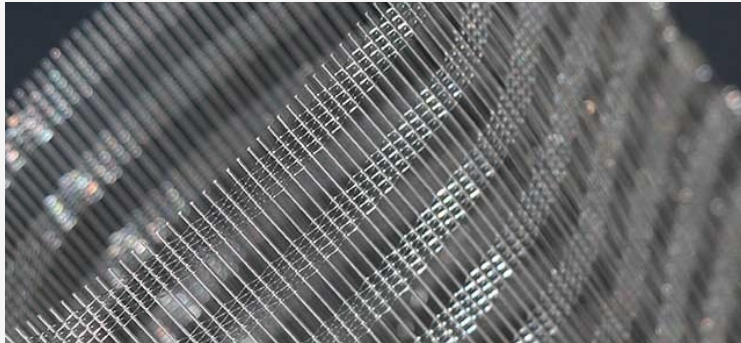
About this range

CoreMesh interlayers are defined by uniform grid formations and engineered consistency. Clean geometric patterns, high durability and stability and controlled transparency combine into a technical aesthetic — from fine micro-grids to heavy-duty structural meshes. Ideal for projects where precision, neutrality and long-term performance are essential.

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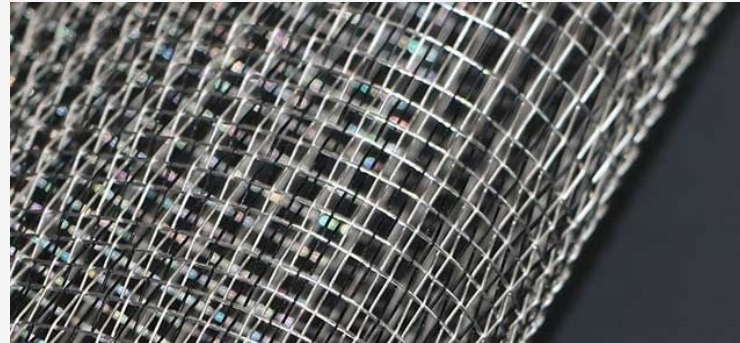
PATTERNS IN THIS RANGE

CoreMesh — The complete range



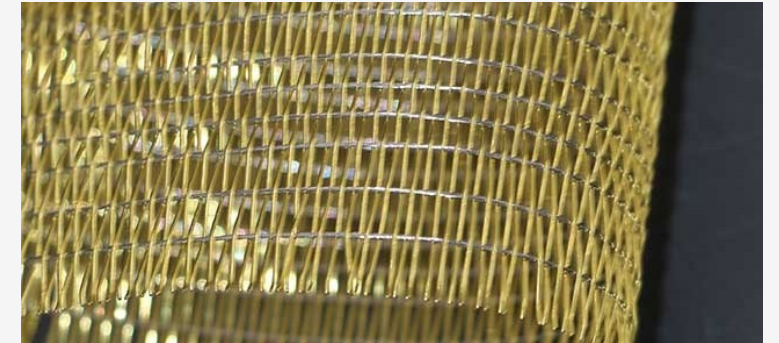
Axion BS

KAPHS-CM-AXION-BS



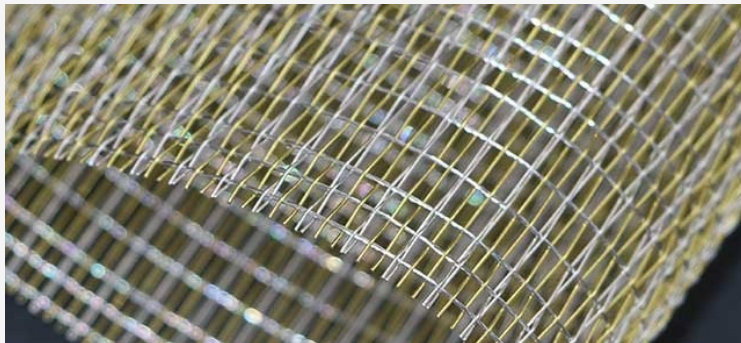
Cratos RS

KAPHS-CM-CRATOS-RS



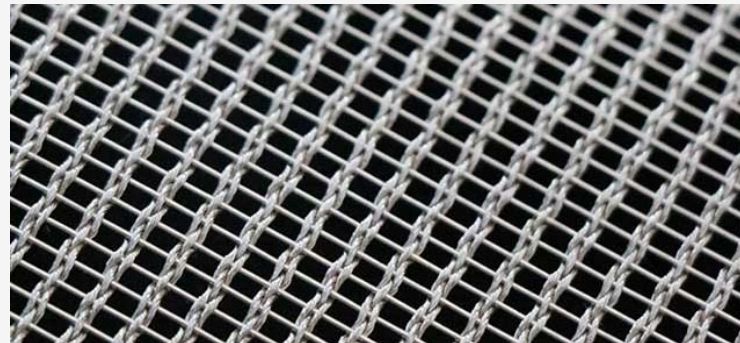
Diagra AGD

KAPHS-CM-DIAGRA-AGD



Duonex GSM

KAPHS-CM-DUONEX-GSM



Knotex MS

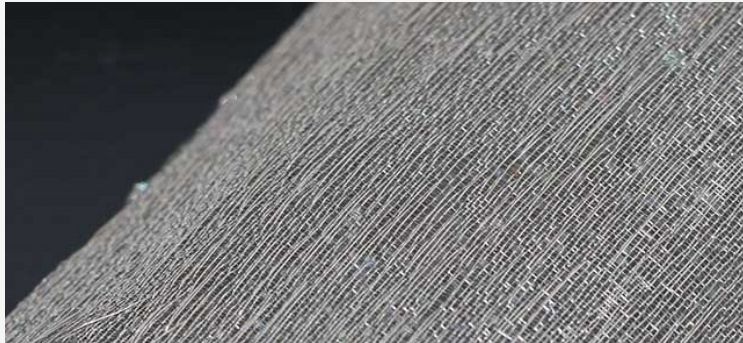
KAPHS-CM-KNOTEX-MS



Lumina RG

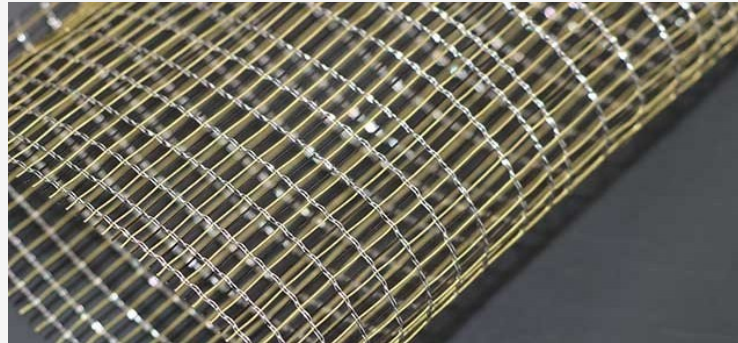
KAPHS-CM-LUMINA-RG

CoreMesh — The complete range



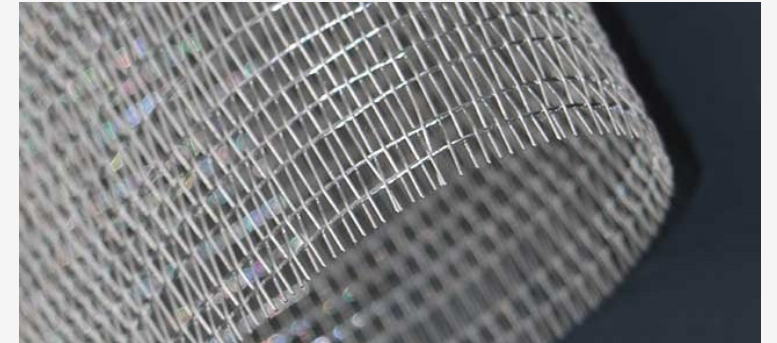
Nexor BS

KAPHS-CM-NEXOR-BS



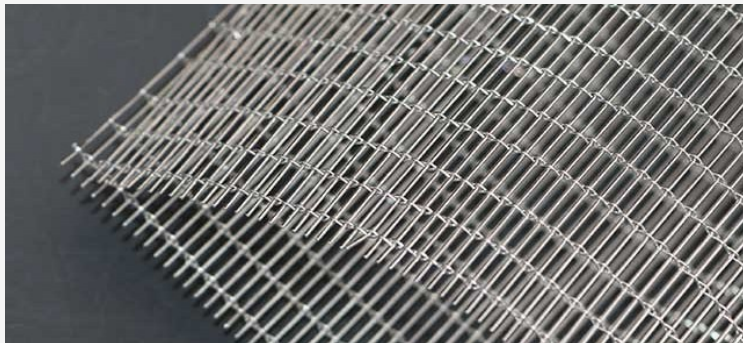
Orix BG

KAPHS-CM-ORIX-BG



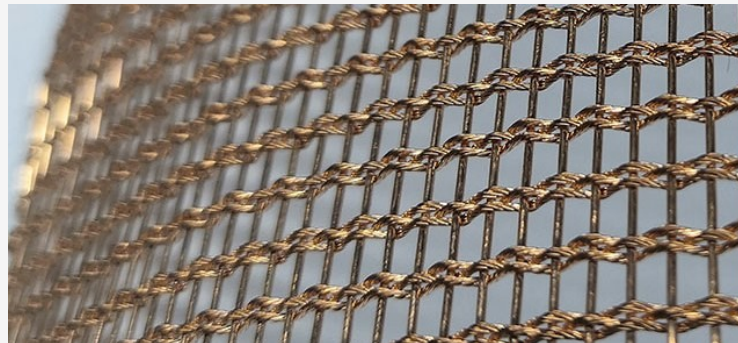
Quadra BS

KAPHS-CM-QUADRA-BS



Recta NS

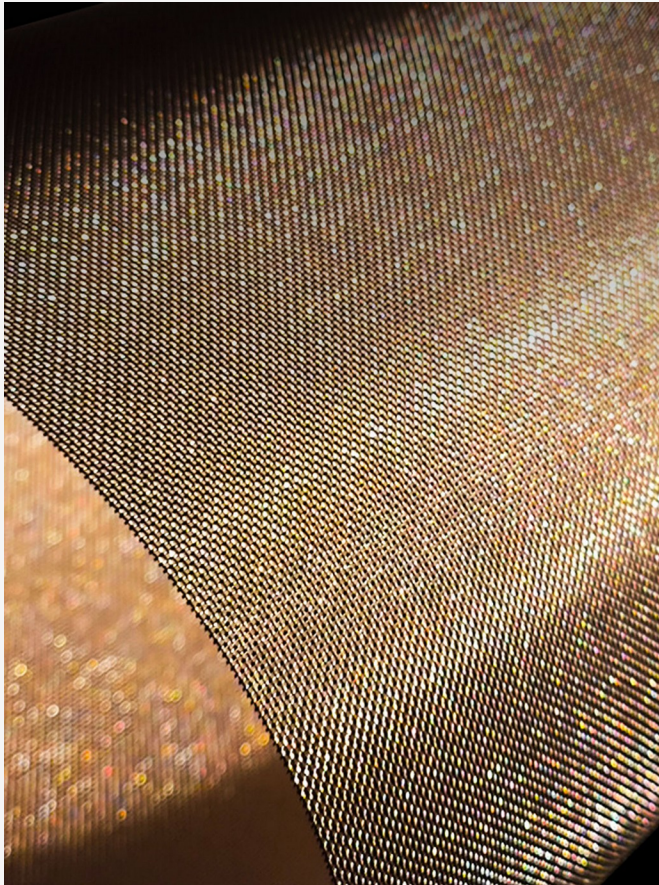
KAPHS-CM-RECTA-NS



Spirax AC

KAPHS-CM-SPIRAX-AC

Metallised Fabric Mesh



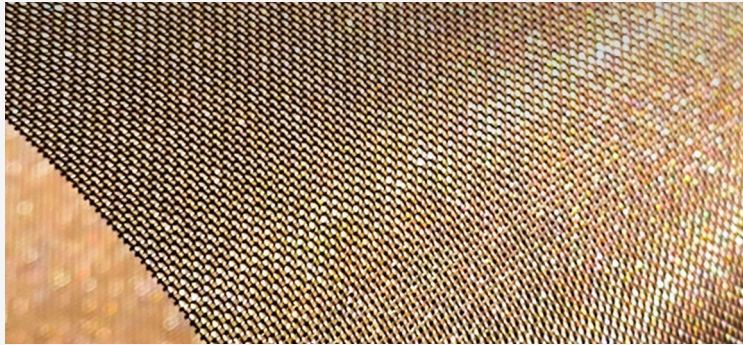
About this range

KAPHS metallised fabric mesh interlayers combine the softness of textile structures with metallic finishes. Lightweight and flexible mesh compositions deliver soft, fabric-like aesthetics with metallic sheen, enhanced light diffusion and unique visual textures not achievable with traditional metal meshes. This range is suited to applications where warmth, softness and contemporary material contrast are required — including heat-exposed façades and large-format external glazing.

5

PATTERNS IN THIS RANGE

Metallised Fabric Mesh — The complete range



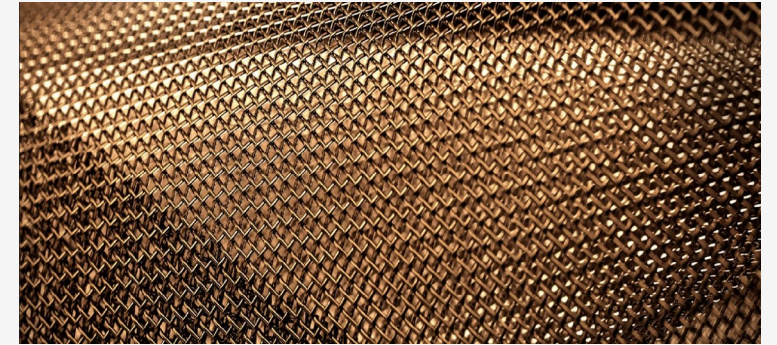
AT 25

AT 25



AW 35

AW 35



AW 45

AW 45



AW 50

AW 50



AW 55

AW 55

Built to specification.

Each Mesh Glass pattern can be specified across multiple glass build-ups, thicknesses, dimensions and finish combinations.

GLASS OPTIONS

- Clear float
- Low-iron (extra-clear)
- Tinted / coated
- Heat-soaked / tempered (on request)

INTERLAYER FILM

- Clear PVB
- Coloured PVB
- EVA (high-clarity)
- Acoustic / structural PVB

BUILD-UPS

- Standard 6.38mm / 8.38mm
- Heavier 10.38mm+ for balustrades
- Triple-laminated configurations
- Custom thicknesses on request

SHEET SIZES

- Standard panels
- Cut-to-size
- Custom geometries
- Project-specific maximum sheet size

M I D D L E E A S T

G E T I N T O U C H



Let's specify your next surface.

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