



KAPHS

M E E T I N G E X P E C T A T I O N S

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ABOUT KAPHS

KAPHS is a Swiss Company founded in 2003 by Mr. Anil Sareen.

Our family-owned operation prides itself in specializing in the engineering, manufacturing and supply of high-end Metal & Glass products for Façade application as well as Interior Design purposes.

With a focus on the Middle-Eastern market and its requirements, **KAPHS** has built a diversified offering of Architectural Products in line with the region's evolving demands and technology.

Thanks to our extensive experience working with Architects, Interior Designers and Contractors, we aim to always offer our customers the most effective and appropriate solution to their needs.

KAPHS provides In-House Engineering throughout the life of a project until completion to ensure the utmost satisfaction to our clients.

Our trusted partnerships with European Manufacturers, whom we have represented for over two decades in the Middle-Eastern region has enabled us to accomplish a remarkable portfolio of landmark projects across the Gulf countries.

As a result of our local fabrication abilities, **KAPHS** offers ready-to-install material to support our customers.



WIRE MESH





WIRE MESH

Product Description

Architectural Wire Mesh is a sophisticated and durable material designed to enhance modern building designs. Renowned for its aesthetic appeal and structural integrity, this wire mesh is crafted from high-quality stainless steel, ensuring long-lasting performance and resistance to corrosion.

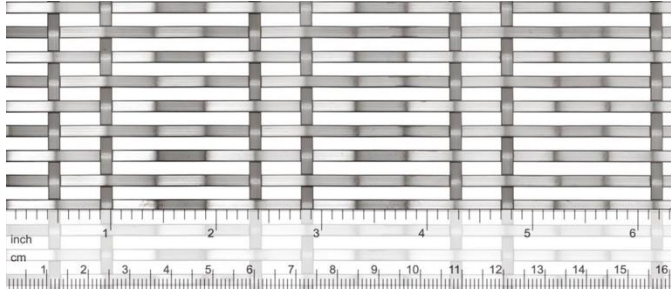
Available in a variety of weaves, patterns, and finishes, KAPHS wire mesh offers architects and designers the flexibility to create stunning façades, sunshades, balustrades, and interior partitions. The mesh's transparency, light diffusion, and reflective qualities contribute to the creation of dynamic visual effects while maintaining functionality.

In addition to its visual appeal, the wire mesh is engineered for strength and durability, capable of withstanding environmental stress while providing ventilation, security, and shading.

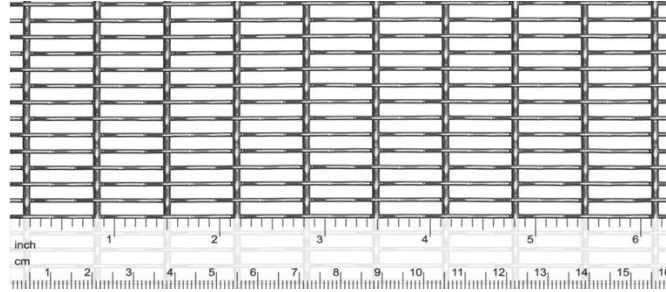


WIRE MESH

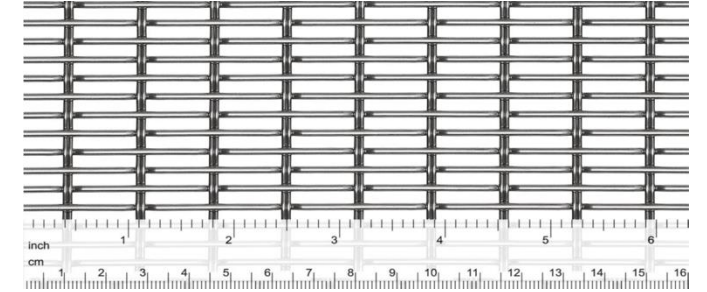
Architectural Product Range



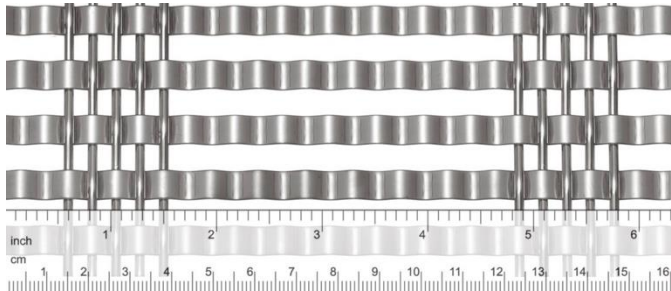
LARGO-PLENUS 2047 | Weight: 5.1 kg/m² | Open area: 43%



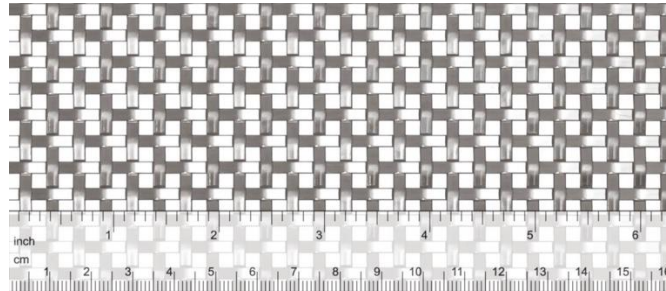
DOKAWELL-MONO 3571 | Weight: 4.5 kg/m² | Open area: 60%



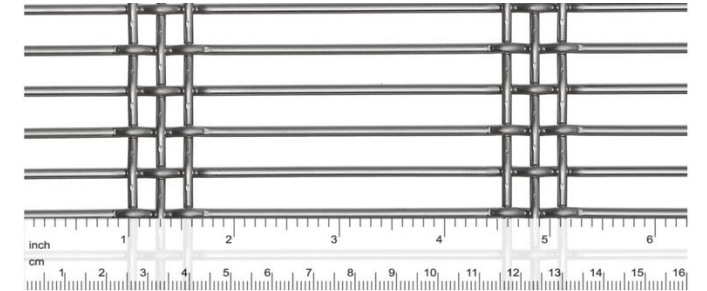
EGLA-TWIN 4253 | Weight: 6.0 kg/m² | Open area: 51%



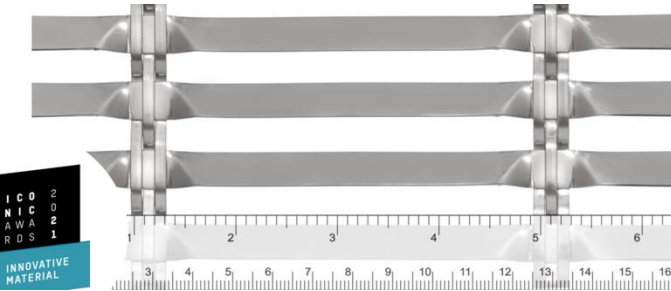
LARGO-NOVA 2032 | Weight: 6.6 kg/m² | Open area: 40%



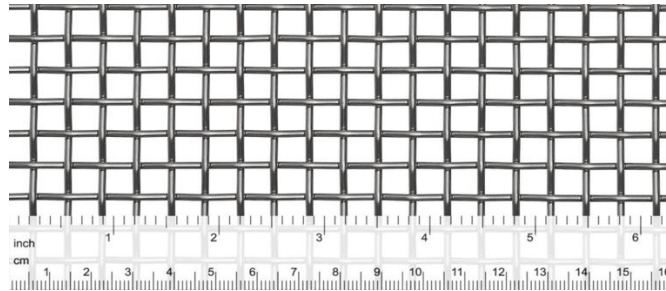
LARGO-PLENUS 2127 | Weight: 7.5 kg/m² | Open area: 28%



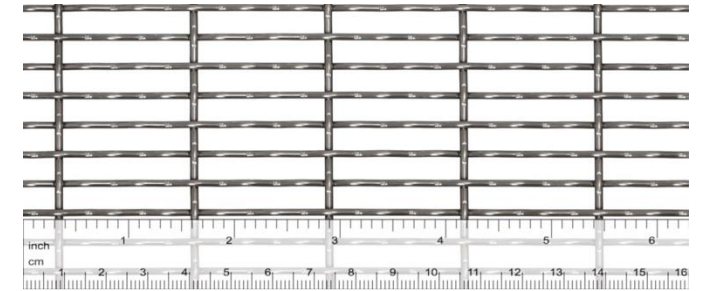
DOGLIA-TRIO 1033 | Weight: 6.5 kg/m² | Open area: 67%



LARGO-TWIST 2045 | Weight: 6.0 kg/m² | Open area: 51%



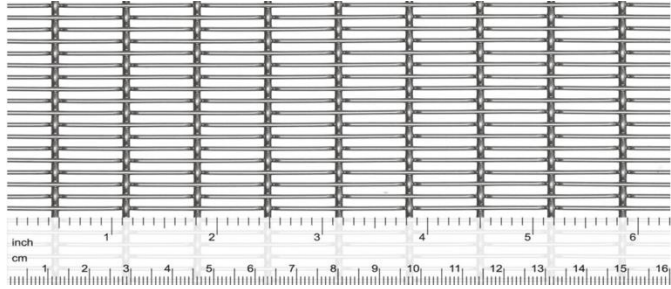
DOKA-MONO 4253 | Weight: 6.1 kg/m² | Open area: 58%



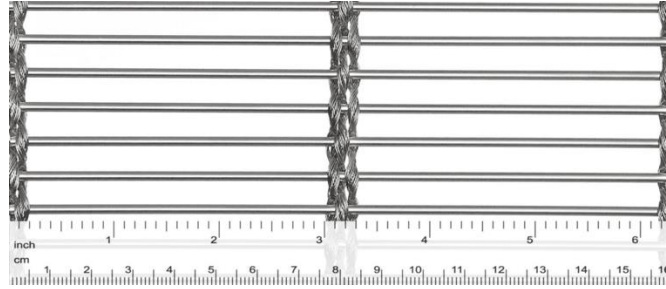
DOKAWELL-MONO 3691 | Weight: 4.2 kg/m² | Open area: 70%

WIRE MESH

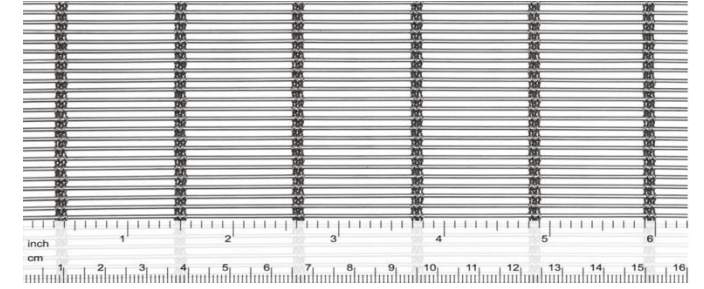
Architectural Product Range



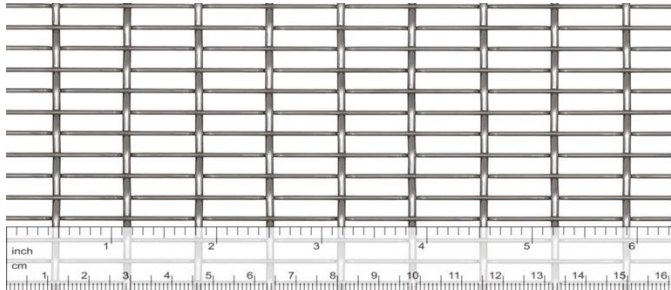
EGLA-MONO 4881 | Weight: 5.2 kg/m² | Open area: 52%



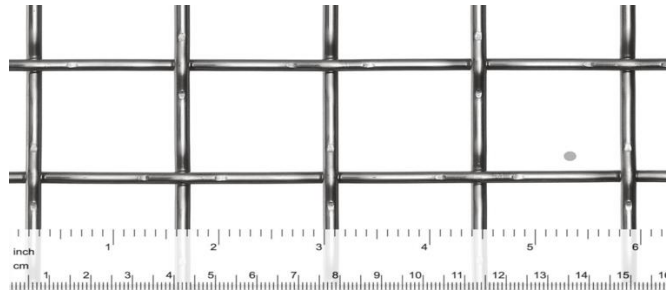
MULTI-BARRETTE 8123 | Weight: 6.6 kg/m² | Open area: 64%



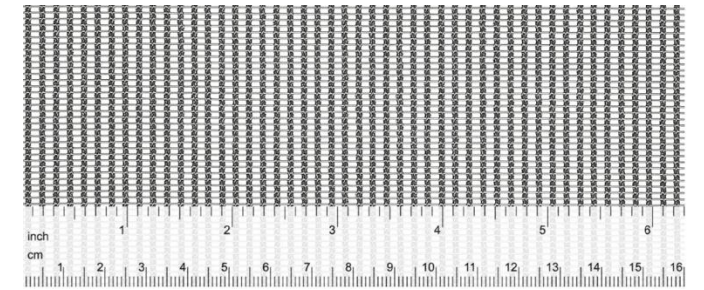
MULTI-BARRETTE 8106 | Weight: 5.2 kg/m² | Open area: 45%



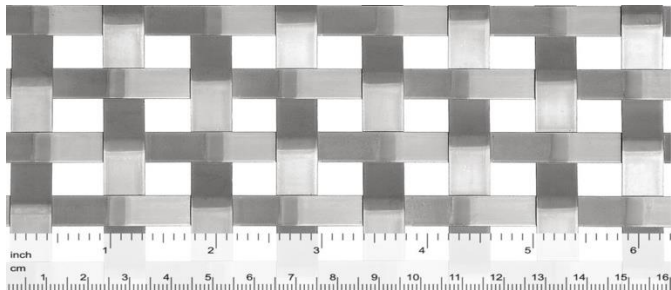
EGLA-MONO 4832 | Weight: 3.4 kg/m² | Open area: 69%



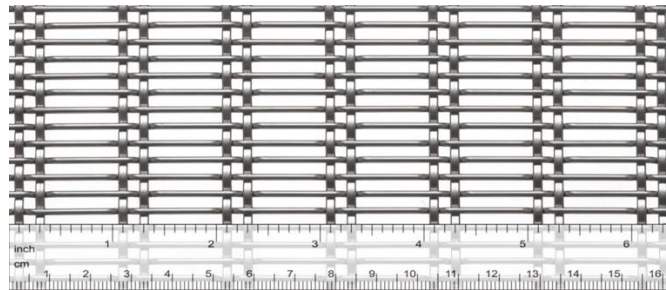
DOKA-MONO 1591 | Weight: 5.9 kg/m² | Open area: 7.9%



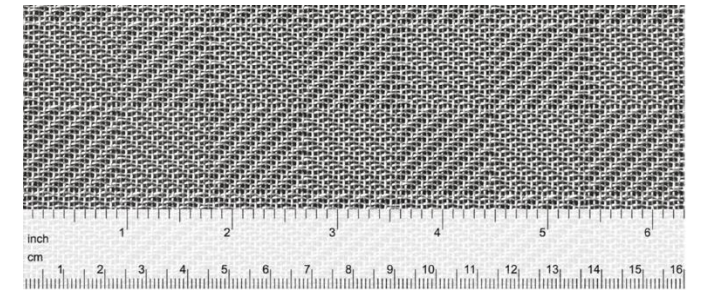
MINIFLEX 8135 | Weight: 2.1 kg/m² | Open area: 39%



LARGO-PLENUS 2022 | Weight: 8.1 kg/m² | Open area: 25%



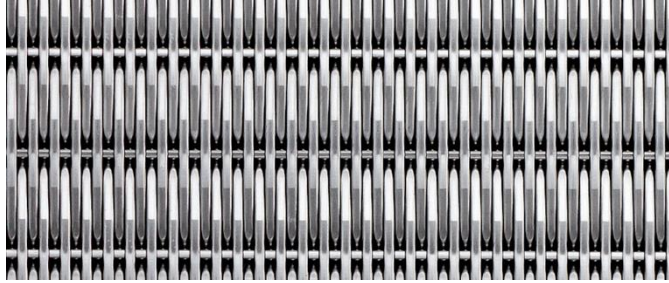
EGLA-DUO 4222 | Weight: 7.4 kg/m² | Open area: 46%



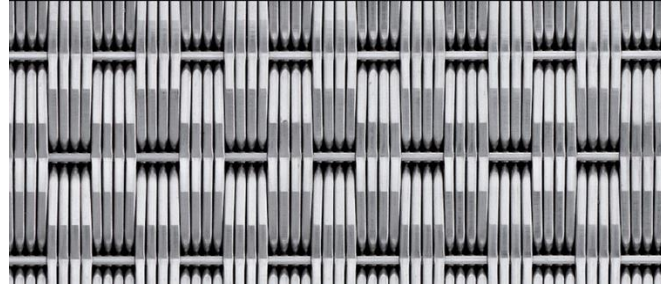
CHESS 6013 | Weight: 3.2 kg/m² | Open area: 31%

WIRE MESH

Decorative Mesh Product Range



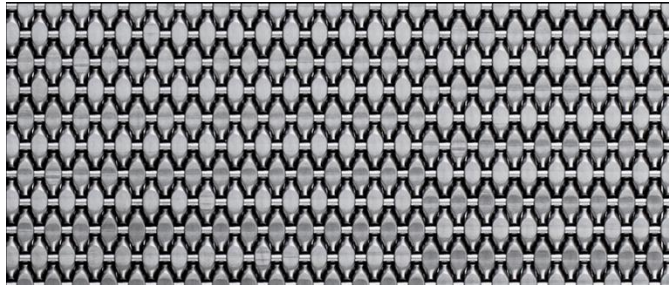
KDM LONGA 1 | Weight: 11.5 kg/m² | Open area: 0%



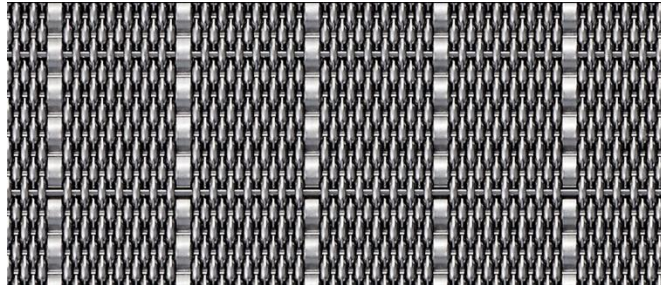
KDM LONGA 2 | Weight: 10.2 kg/m² | Open area: 0%



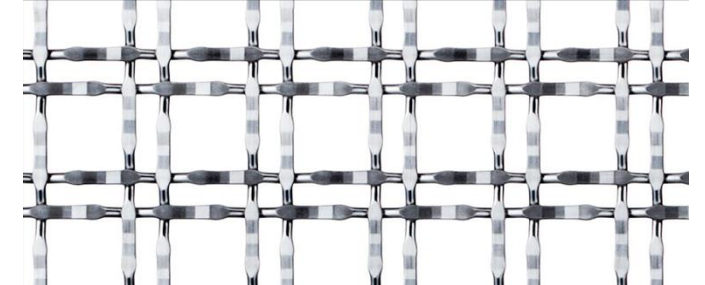
KDM JUBILEE 1 | Weight: 18.1 kg/m² | Open area: 0%



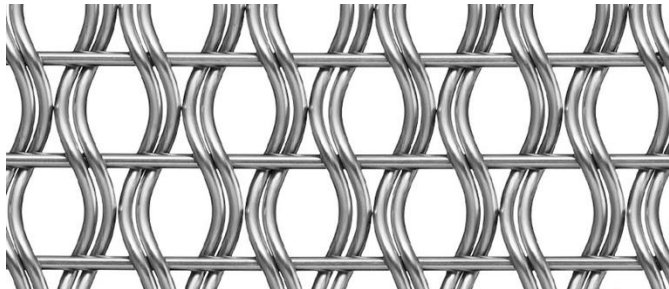
KDM VICO | Weight: 17.3 kg/m² | Open area: 0%



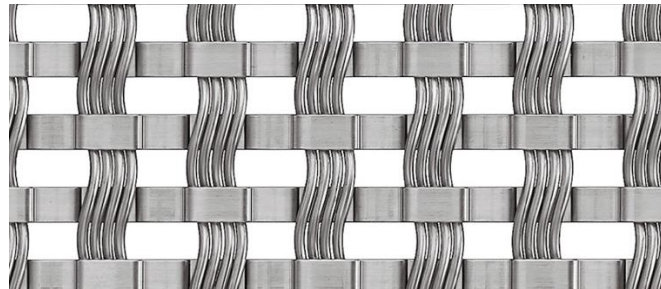
KDM JUBILEE 2 | Weight: 10.9 kg/m² | Open area: 0%



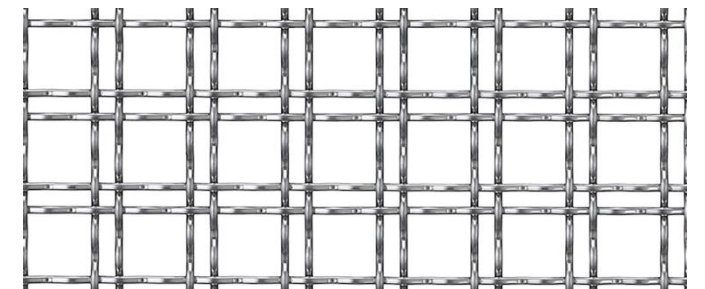
KDM PLAID 1 | Weight: 5.0 kg/m² | Open area: 61%



KDM MW1 | Weight: 11.2 kg/m² | Open area: 40%



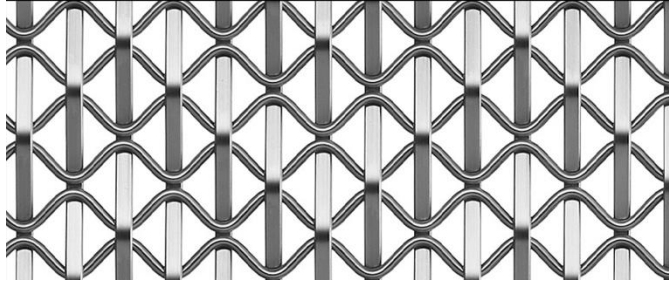
KDM DIVINE | Weight: 10.8 kg/m² | Open area: 29%



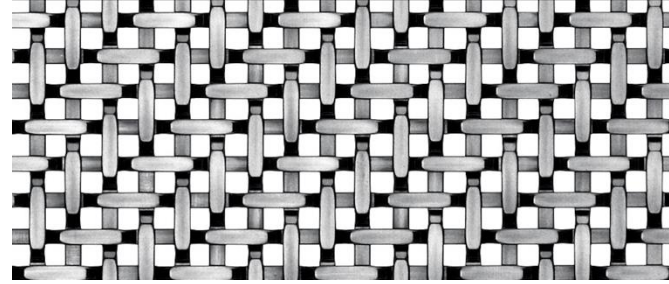
KDM PLAID 2 | Weight: 6.5 kg/m² | Open area: 66%

WIRE MESH

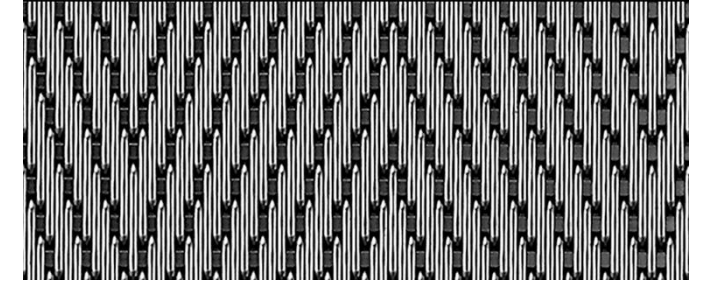
Decorative Mesh Product Range



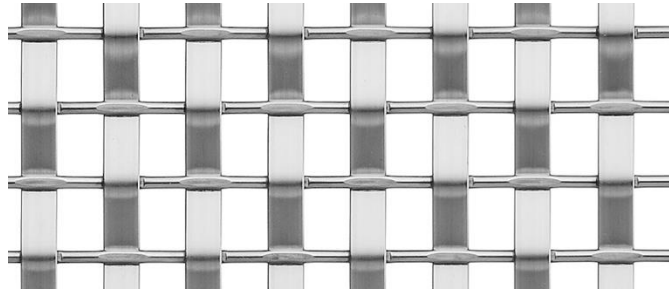
KDM MULSANNE | Weight: 7.0 kg/m² | Open area: 48%



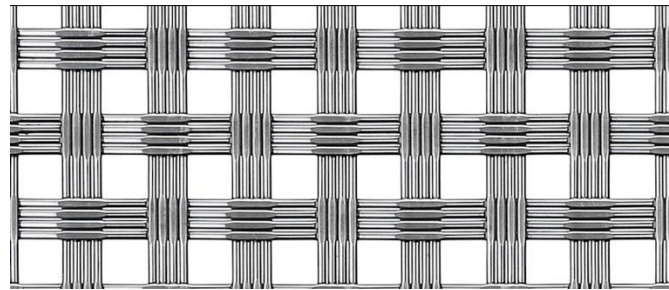
KDM INVICTO 2 | Weight: 11.2 kg/m² | Open area: 28%



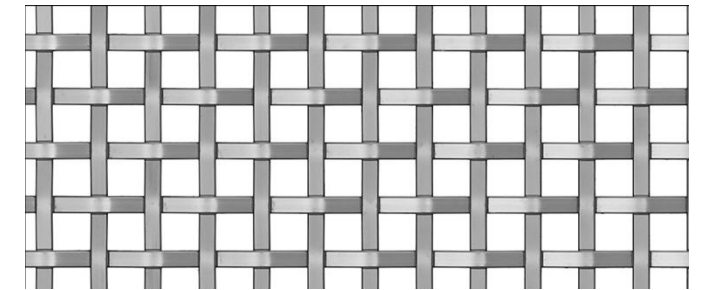
KDM FREQUENCY 2 | Weight: 16.5 kg/m² | Open area: 0%



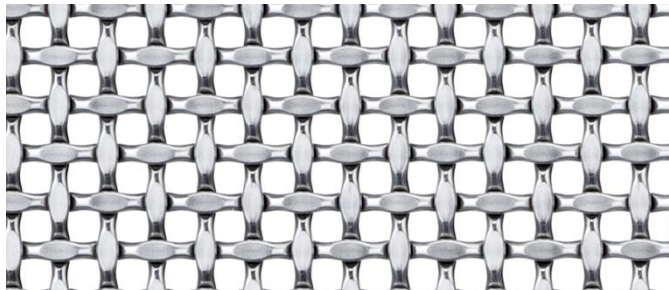
KDM GEMBALLA | Weight: 7.5 kg/m² | Open area: 45%



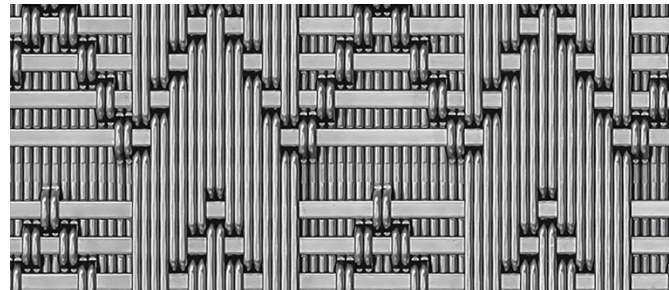
KDM NFS 1 | Weight: 9.5 kg/m² | Open area: 30%



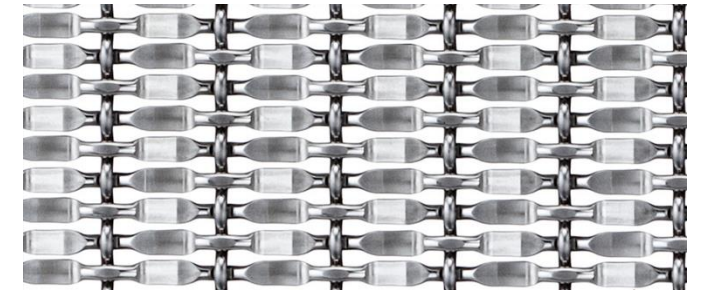
KDM FM1 | Weight: 7.0 kg/m² | Open area: 45%



KDM INVICTO 1 | Weight: 14.2 kg/m² | Open area: 37%



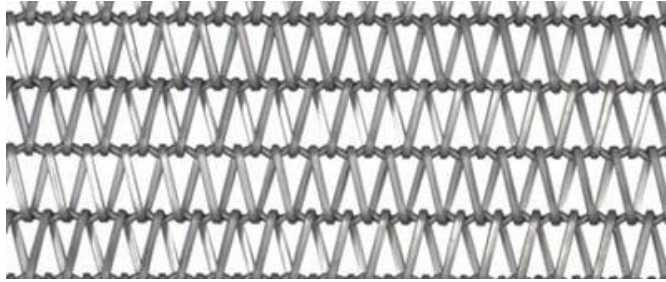
KDM FREQUENCY 1 | Weight: 16.0 kg/m² | Open area: 0%



KDM STELLA 1 | Weight: 10.8 kg/m² | Open area: 30%

WIRE MESH

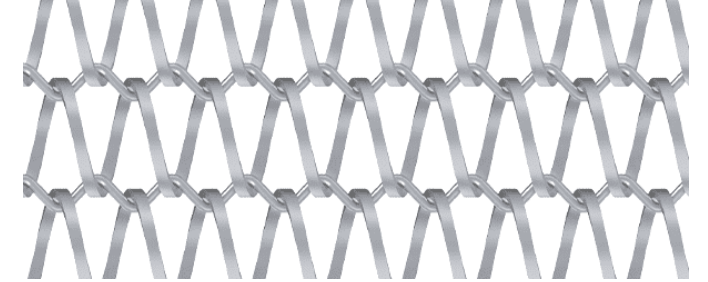
Spiral Mesh Product Range



KSM 2.1.10.2.14 | Weight: 7.0 kg/m² | Open area: 41%



KSM 4.1,5.34.3.26 | Weight: 6.2 kg/m² | Open area: 55%



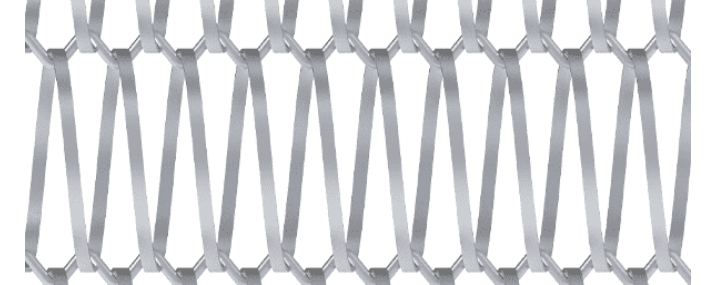
KSM 4.3.25.3,5.40 | Weight: 6.1 kg/m² | Open area: 55%



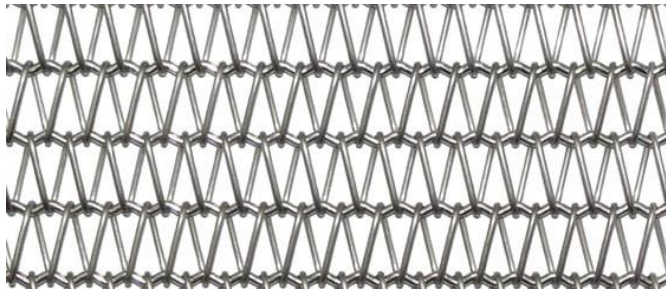
KSM 3.1.21.2.10 | Weight: 9.2 kg/m² | Open area: 24%



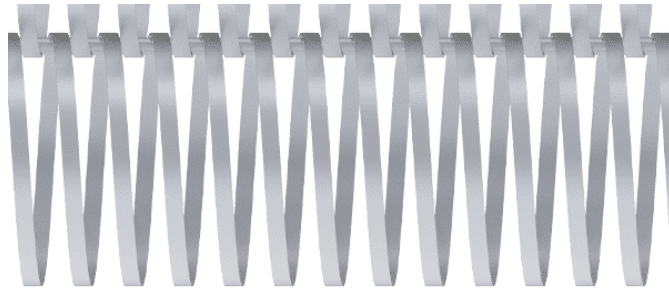
KSM 5.1.14.4.50 | Weight: 9.0 kg/m² | Open area: 33%



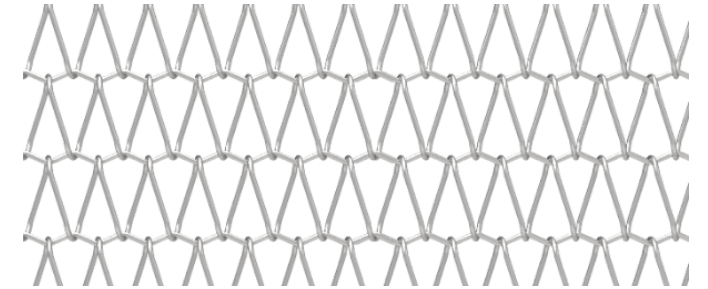
KSM 6.2.30.5.90 | Weight: 6.8 kg/m² | Open area: 50%



KSM 1,5.8.2.14 | Weight: 6.1 kg/m² | Open area: 53%



KSM 7.1.20.7.100 | Weight: 6.5 kg/m² | Open area: 30%



KSM 1.9,5.1.16 | Weight: 4.5 kg/m² | Open area: 60%

WIRE MESH

Applications

Wire Mesh can be tensioned over the full height of an elevation. Solid substructures absorbing significant loads such as pre-tension and wind are only required at the building's upper and bottom attachment points. This ensures significantly lower costs for substructures and installation compared to façade cladding with framed solutions.

Depending on the size of the individual mesh elements, additional intermediate mountings fixed to each level of the building suffice. These reduce the maximum loads acting on the substructure as well as possible deflection of the mesh.

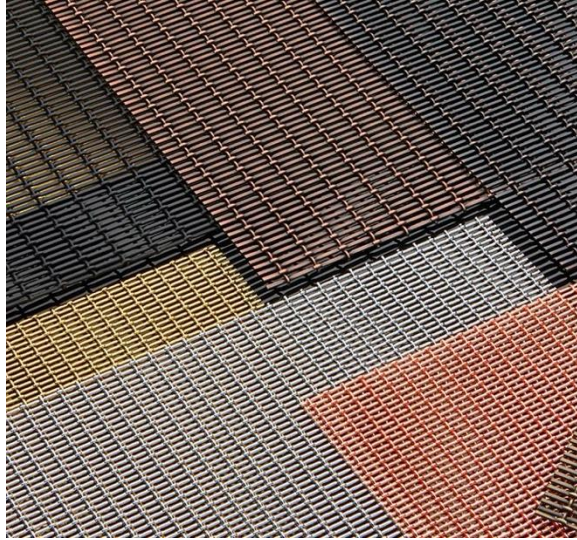
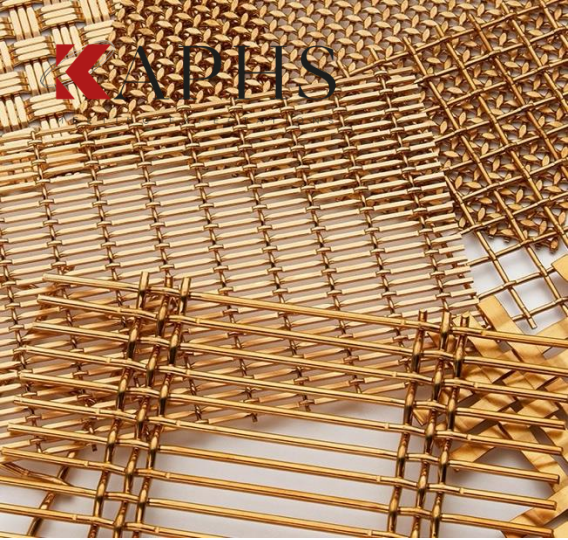
Wire mesh is a versatile material used in various architectural applications, offering both functional and aesthetic benefits:

-Facade Cladding: Architectural wire mesh is employed to enhance building exteriors with a modern, distinctive look. It provides sun protection, improves thermal insulation, and contributes to a building's durability.

-Wall Claddings: Used for wall coverings, wire mesh adds texture and contemporary style to interiors. It allows for creative design solutions while enabling light and air flow.

-Ceilings: Wire mesh is used in ceiling systems to add visual interest and texture to public spaces like lobbies and atriums. It can also be used for acoustic treatment and to create unique ceiling designs.





WIRE MESH

Finishes

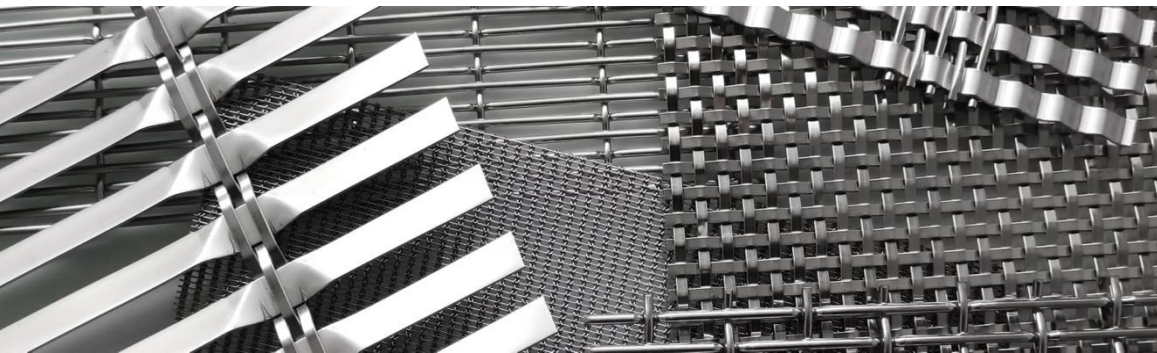
When it comes to enhancing the appearance and performance of architectural wire mesh, various coatings and finishes can be applied to suit specific design and functional requirements:

-Stainless Steel Mill Finish: This is the standard finish for stainless steel wire mesh, offering a clean, industrial appearance. The mill finish is characterized by its natural, unpolished look, providing a subtle shine while retaining the material's inherent corrosion resistance and durability.

-PVD (Physical Vapor Deposition) Coating: PVD coating is a high-end finish that applies a thin, yet extremely durable, colored layer to the wire mesh. This process allows for the creation of vibrant, metallic hues that are both visually striking and resistant to wear. PVD coatings are particularly valued for their hardness, scratch resistance, and long-lasting color retention, making them ideal for high-traffic or exterior applications.

-Anodizing for Aluminium Mesh: Anodizing enhances the surface of aluminum wire mesh, increasing its corrosion resistance and allowing for the addition of color. The anodized layer integrates with the metal, creating a durable, non-peeling finish that can be customized in various shades, adding both aesthetic appeal and protection.

-Wet Paint: Wet painting involves applying liquid paint directly to the wire mesh. This method offers a wide range of color options and finishes, from matte to glossy, allowing for aesthetic customization. Wet paint coatings also provide a protective layer, shielding the mesh from environmental damage while maintaining the desired appearance.



WIRE MESH

Fixing Systems

In order to integrate your wire mesh cladding into your building project in a technically as well as visually flawless way, it is important to use the right fastening technique. With over 20 years of experience in the processing of stainless steel mesh in the architectural sector, we have developed standardised fixings for architectural mesh and are confident: there is a suitable fastening solution available for your project.

-Tensioning System (Rigid Wire Mesh)

Top mounting

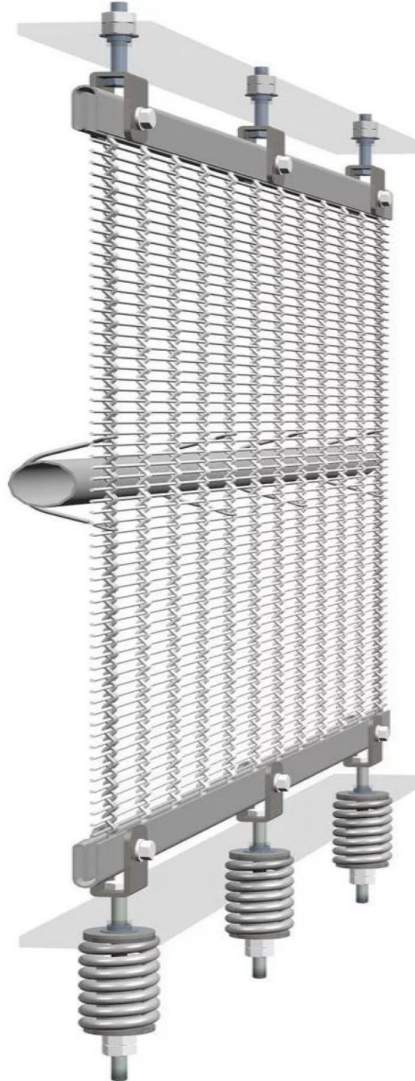
A flat tension profile is provided with clevis screws, which are used to hang the element in the substructure. At the same time, tension is applied to the upper fastening point.

Intermediate mounting

If the mesh size is large enough, the mesh element is secured by means of wire connectors. These reach around a tube lying behind the wire mesh from the back into the architectural wire mesh. This intermediate tube is barely visible in the front view.

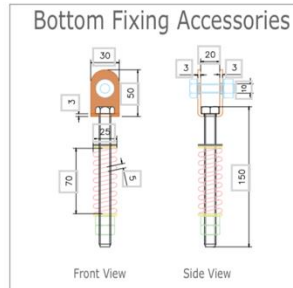
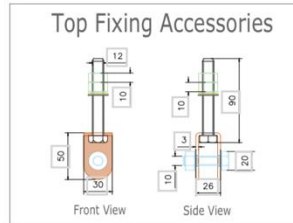
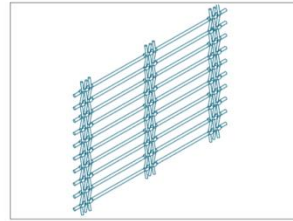
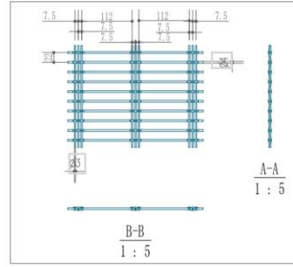
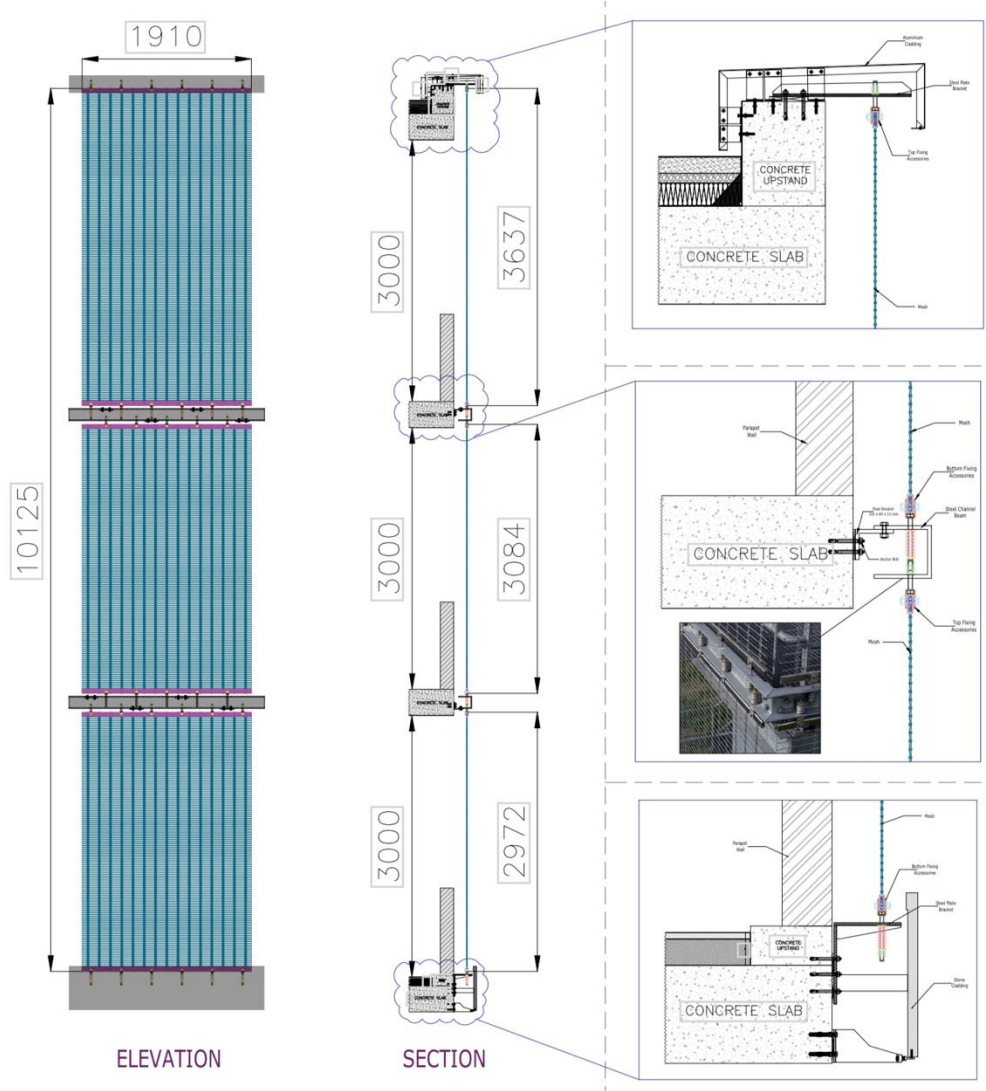
Bottom mounting

Flat tension profiles are used for the lower fastening, through which tension is introduced into the wire mesh by means of clevis screws. The additional use of pressure springs is necessary to give the wire mesh the necessary elasticity under corresponding loads in the outdoor area.



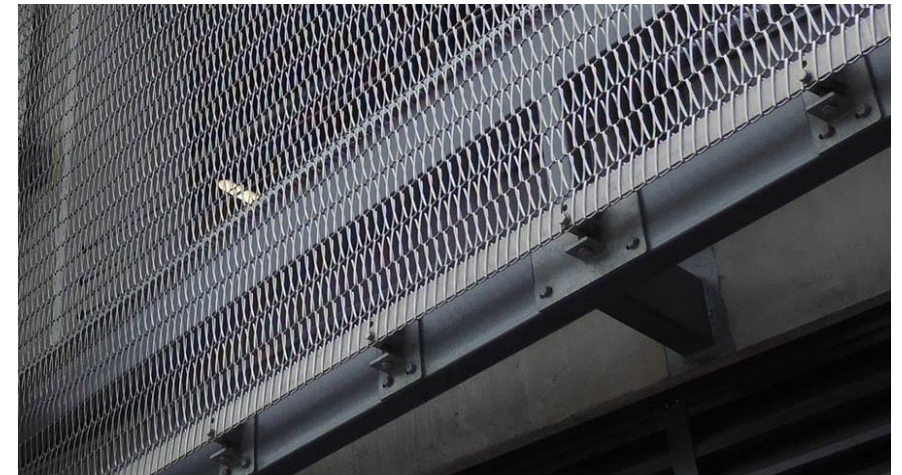
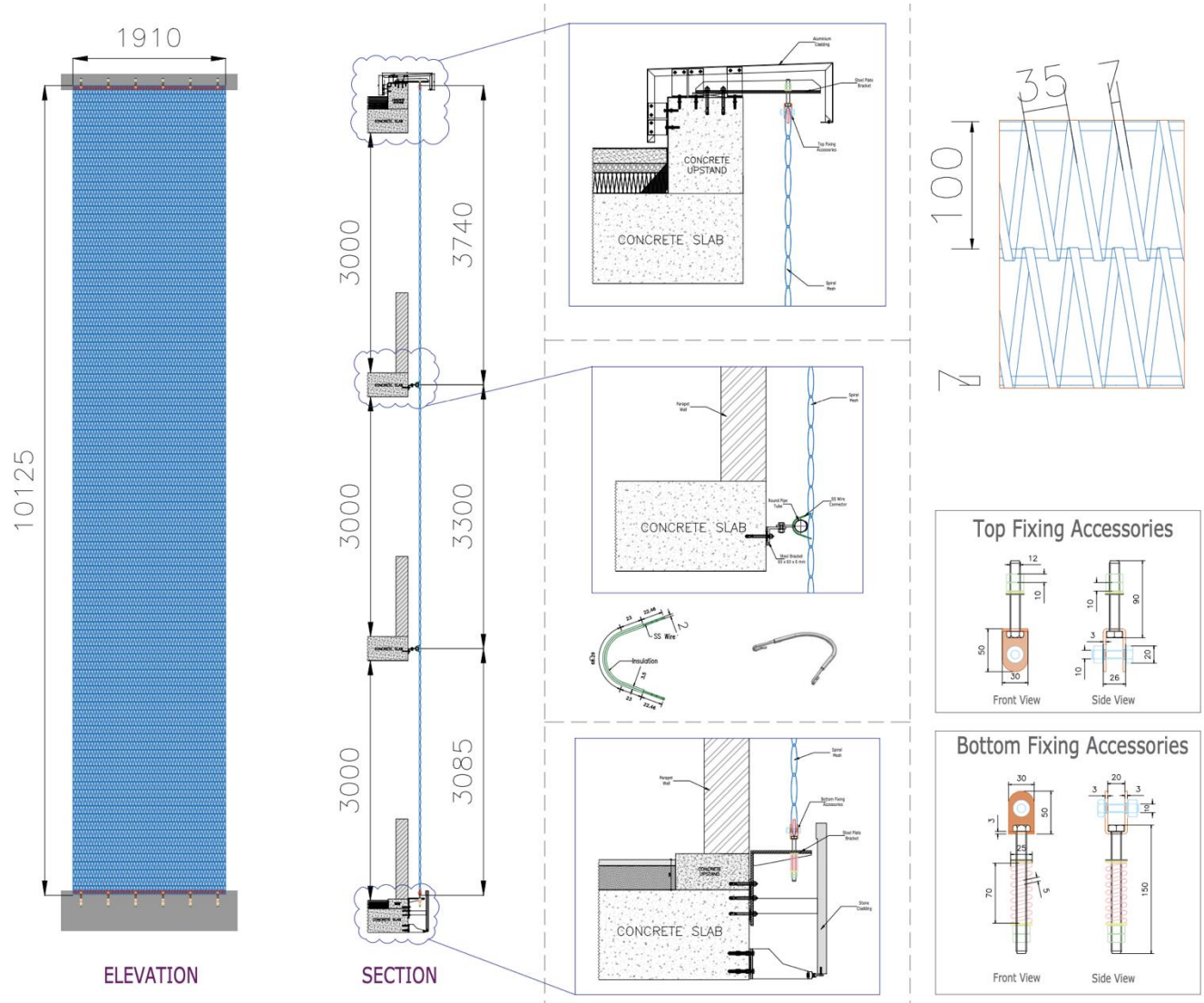
WIRE MESH

Fixing Systems



WIRE MESH

Fixing Systems



Dubai Hills Business Park

The Dubai Hills Business Park consists of four office / commercial buildings and a central multi-storey car park. The Architectural Wire Mesh EGLA-TWIN 4263 is used for the filigree façade cladding of this car park.

With its smooth surface on one side, which reflects the light over a very wide area, and an open mesh surface of 65 %, the stainless steel wire mesh meets both: the visual requirements of the architect and the ventilation requirements for the multi-storey car park.

Manufactured in ready-to-install mesh elements, which are up to 25 m long and up to 3 m wide; the wire mesh cladding can be easily attached to the façade of the car park using the mounting solution of tension profiles and clevis bolts.

Location: Dubai - UAE

Client: Emaar

Architect: DAR





Mercedes-Benz Showroom D3

The facade of the Mercedes-Benz Flagship Showroom in Design District 9 (D3) boasts an innovative use of DOGLIA-TRIO 1033 wire mesh, painted in a sleek grey. This architectural mesh, supplied by KAPHS, features a sophisticated weave pattern that combines both aesthetics and functionality.

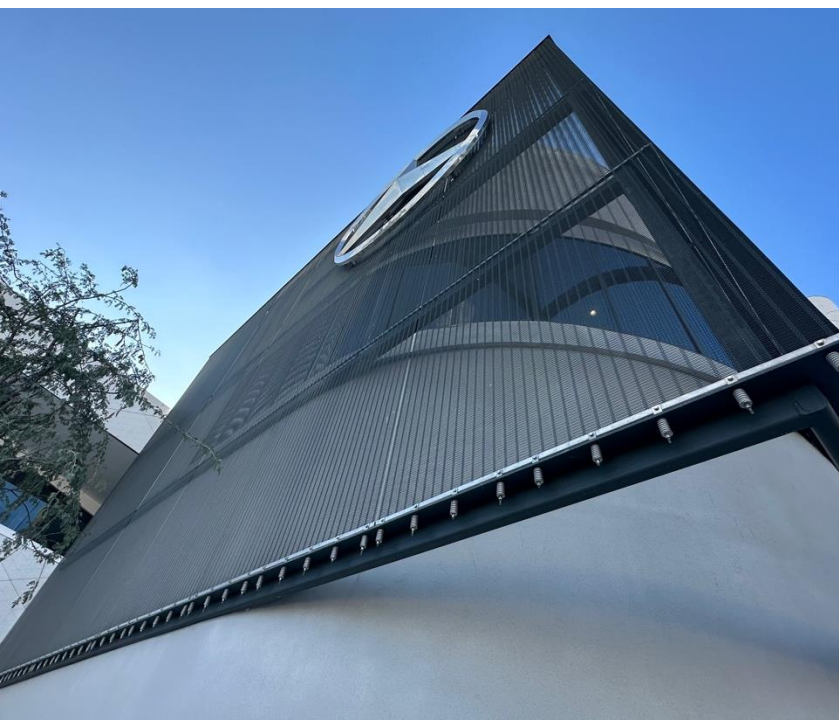
The grey-painted DOGLIA-TRIO 1033 enhances the building's modern and luxurious appearance, reflecting the brand's prestigious image. Its robust construction ensures durability, while the intricate design provides a balance between transparency and privacy, allowing natural light to filter through while maintaining an elegant exterior. This wire mesh not only elevates the visual appeal of the showroom but also underscores the brand's commitment to quality and innovation in architectural design.

Location: Dubai - UAE

Client: Gargash

Architect: Binchy & Binchy





Qatar National Convention Centre

The walls of the Theatre Hall are clad with bronze wire mesh type MULTI-BARRETTE 8123 which underlines the exclusivity of the ambience due to its colour. The elegance of the wire mesh allows interaction with various light reflections and gives the mesh a unique aesthetic. The ceilings and walls inside the Qatar National Convention Centre are clad with 6,000 m² of architectural wire mesh supplied by KAPHS.

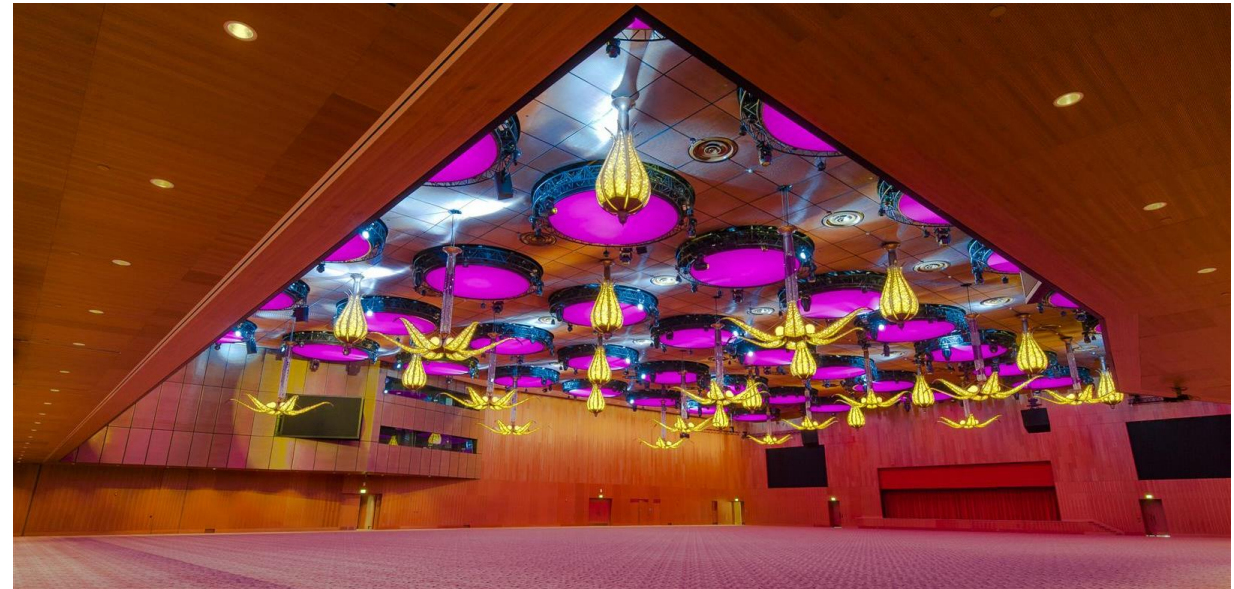
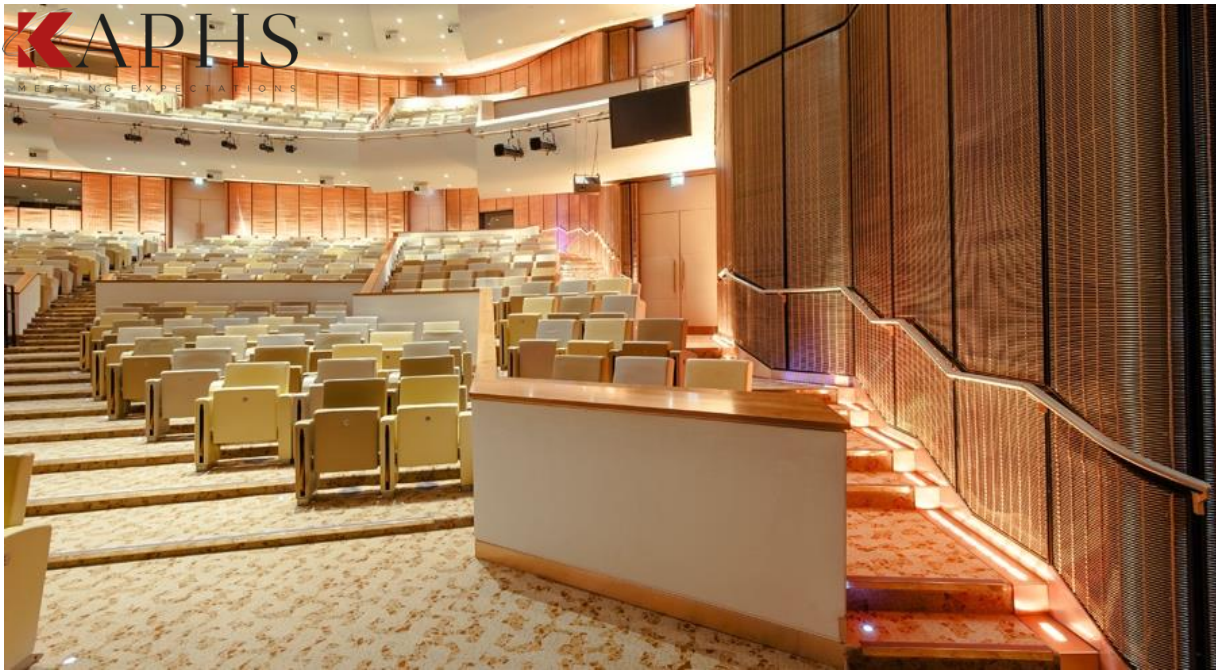
The wire mesh was specifically designed for the acoustic requirements of the theatre. The mesh is coated with clear varnish, canted to the edges and glued into black-coated aluminium frames. Due to their structure, the wire mesh types combine air permeability and acoustic neutrality with an optically closed and homogeneous overall picture.

Location: Doha - Qatar

Client: QNCC

Architect: Arata Isozaki & Associates







Aspire Torch Tower

The 318 meter high Aspire Tower is the design landmark of the Asian Games 2006 in Doha, Qatar. Located directly next to the Games Stadia, construction of the 318 meter high tower commenced in April 2005.

The tower is designed to resemble a large torch, which is achieved with wire mesh elements supplied by KAPHS. The facade consists of 3452 single elements with a total area of appr. 30.000 square meters. Throughout the facade LEDs have been installed within the mesh to create user-defined effects in varying colours.

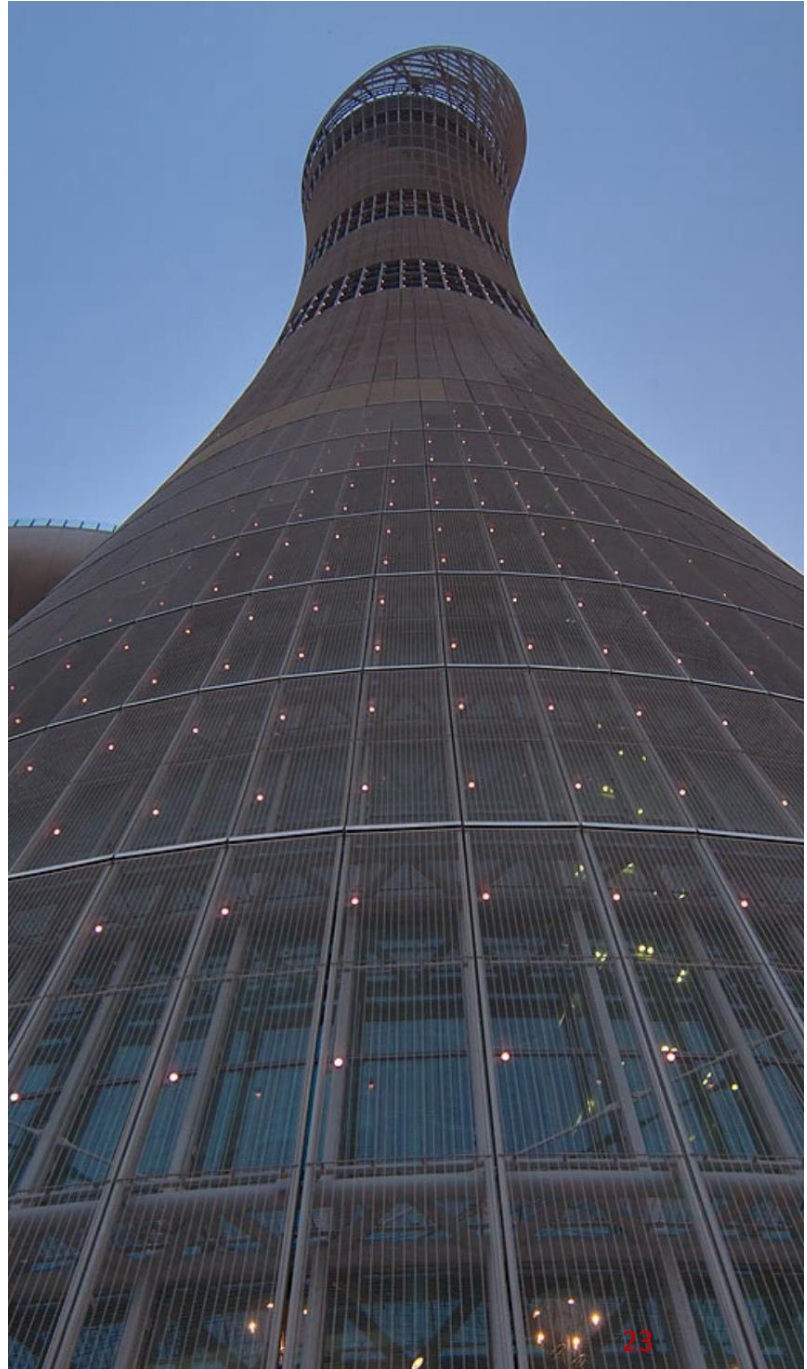
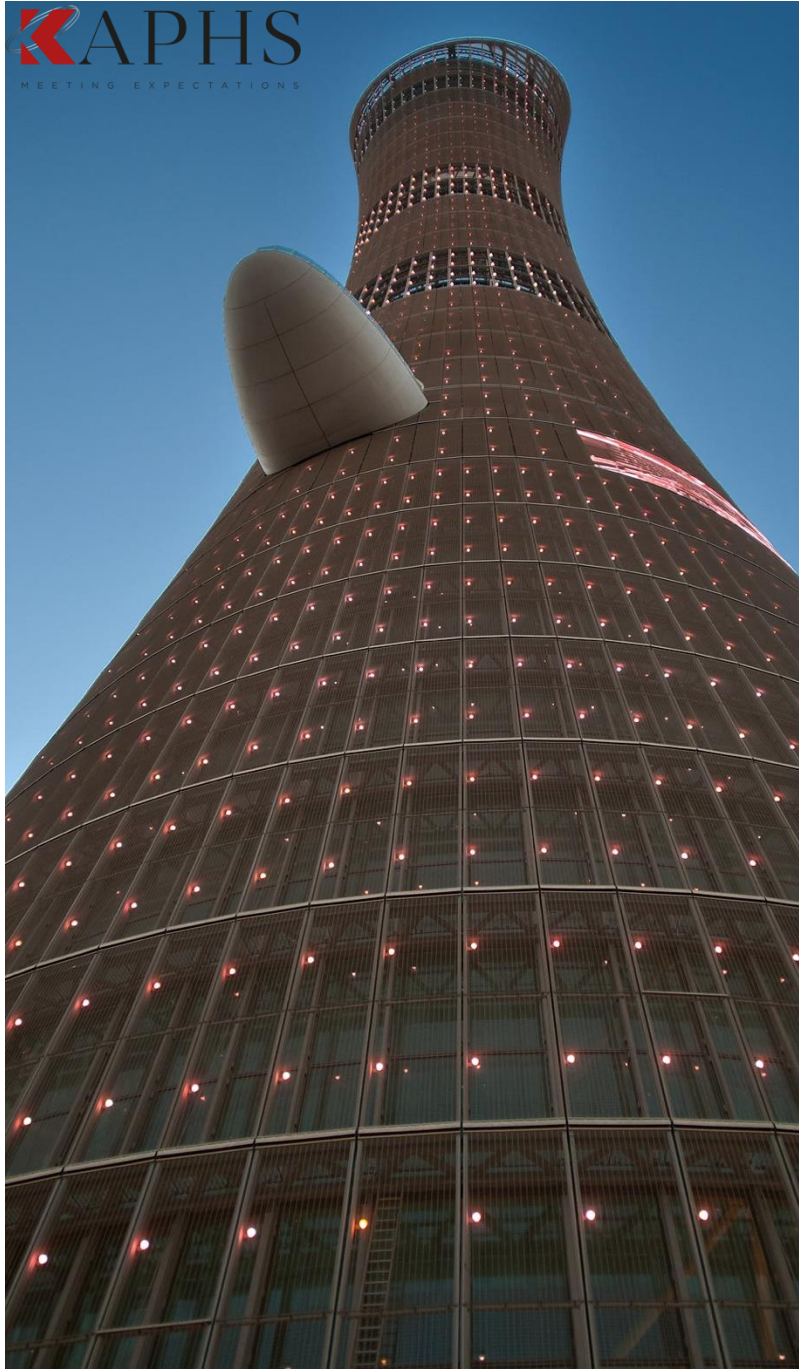
Using the mesh type DOGLA-TRIO it was possible to vary the clear openings of the horizontal wires between 14 and 44 mm. The open area was incrementally increased from 72% to 85%.

The vertical wire groups of DOGLA-TRIO consist of three specially preformed wires. HAVER & BOECKER ensured, that these wire groups run in one continuous line from element to element across the full height of the tower. The standard elements are 8 meters high with a maximum width of 1,96 meters; special elements are as long as 13 meters.

Location: Doha - Qatar

Client: The Sports City Project

Architect: Arep





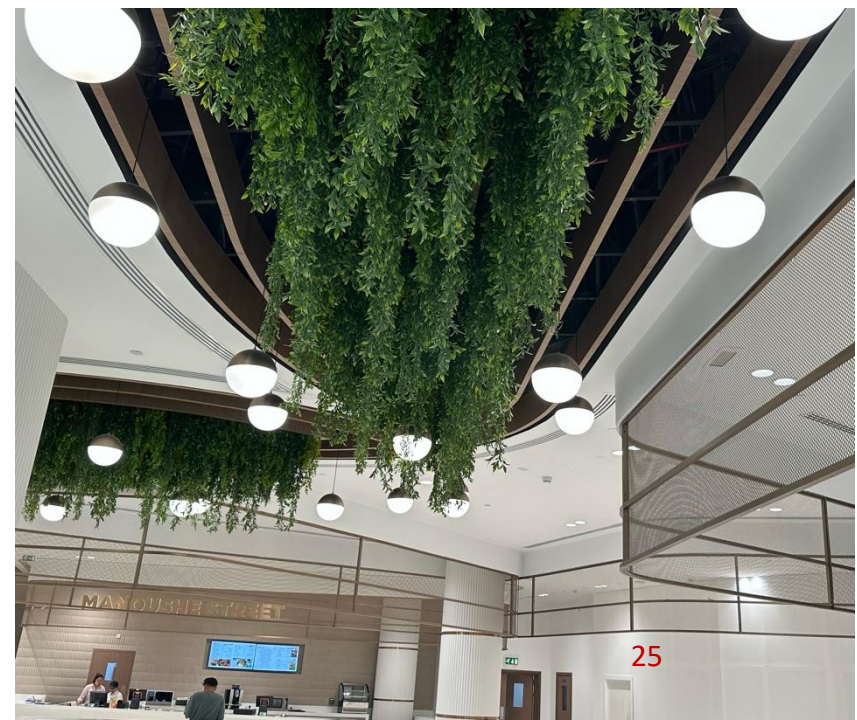
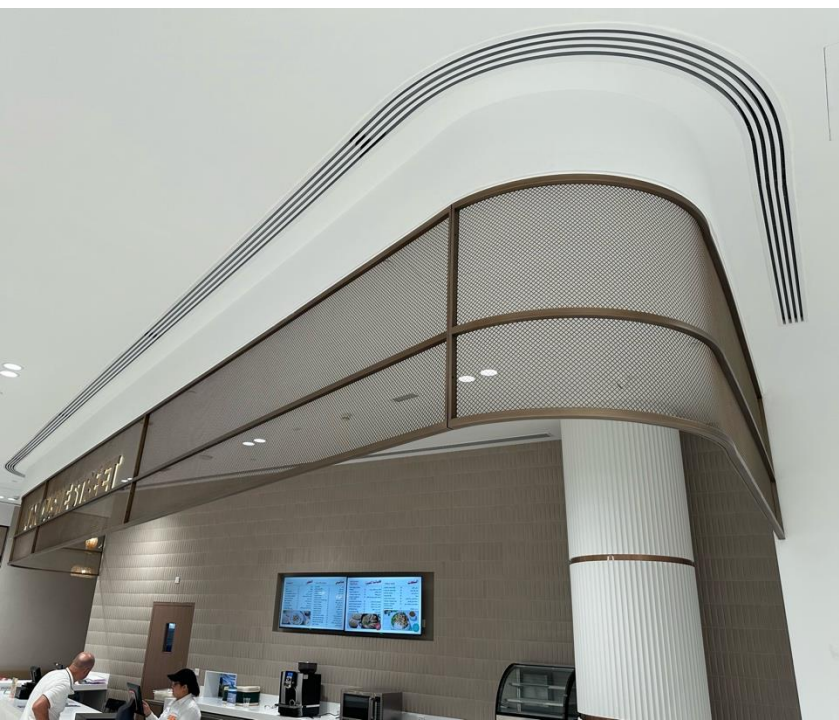
DAFZA Food Court

The DAFZA Food Court in Dubai features stunning backdrops made from bronze-colored flat wire mesh, adding a touch of sophistication and elegance to the dining area. This architectural mesh, supplied by KAPHS, is crafted from flat wires, creating a unique weave that offers both strength and durability. The flat wire design increases the surface area, reducing transparency while enhancing the overall brilliance and visual appeal. The warm bronze hue complements the food court's ambiance, providing a visually striking and inviting environment for diners. This mesh not only serves as a robust backdrop but also as an artistic element that elevates the aesthetic quality of the space.

Location: Dubai - UAE

Client: DAFZA

Architect: Archiplexus





Al Sendian Tower

Due to the functional and aesthetic characteristics of Architectural Wire Mesh, it offers versatile fields of applications in the architecture of multi-storey car parks. Both inside and outside, they convince with a noble appearance and meet the highest demands on safety, stability and weather resistance. The stainless steel mesh EGLA-MONO 4791 was used for the Al Sendian Tower in Qatar to cover the four-storey parking garage of the office building.

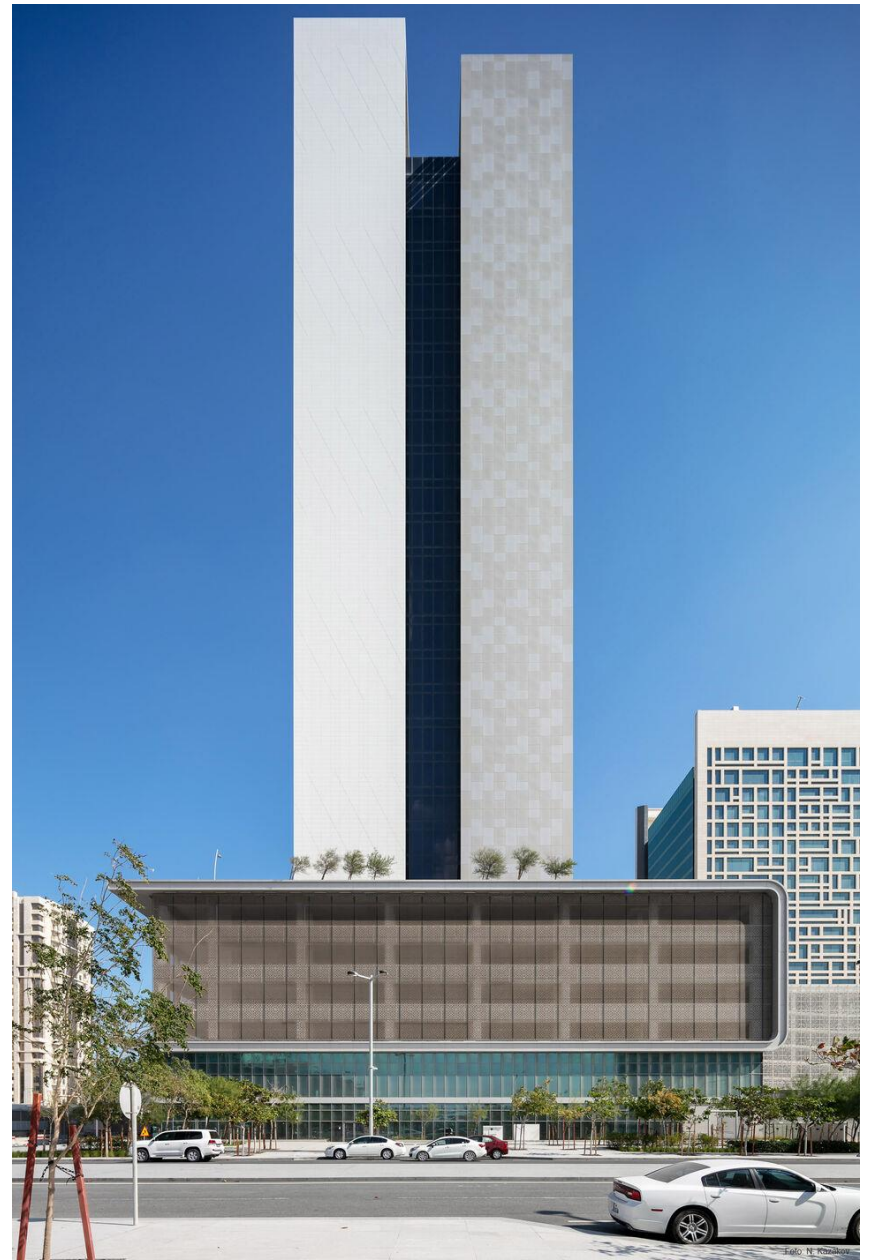
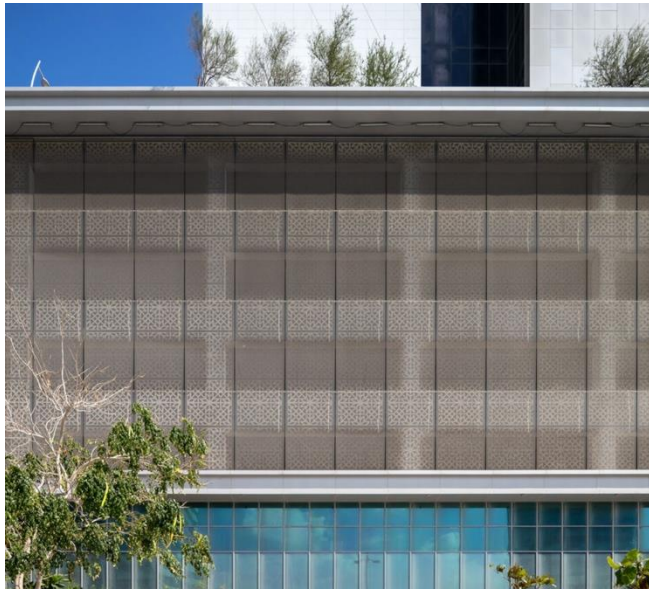
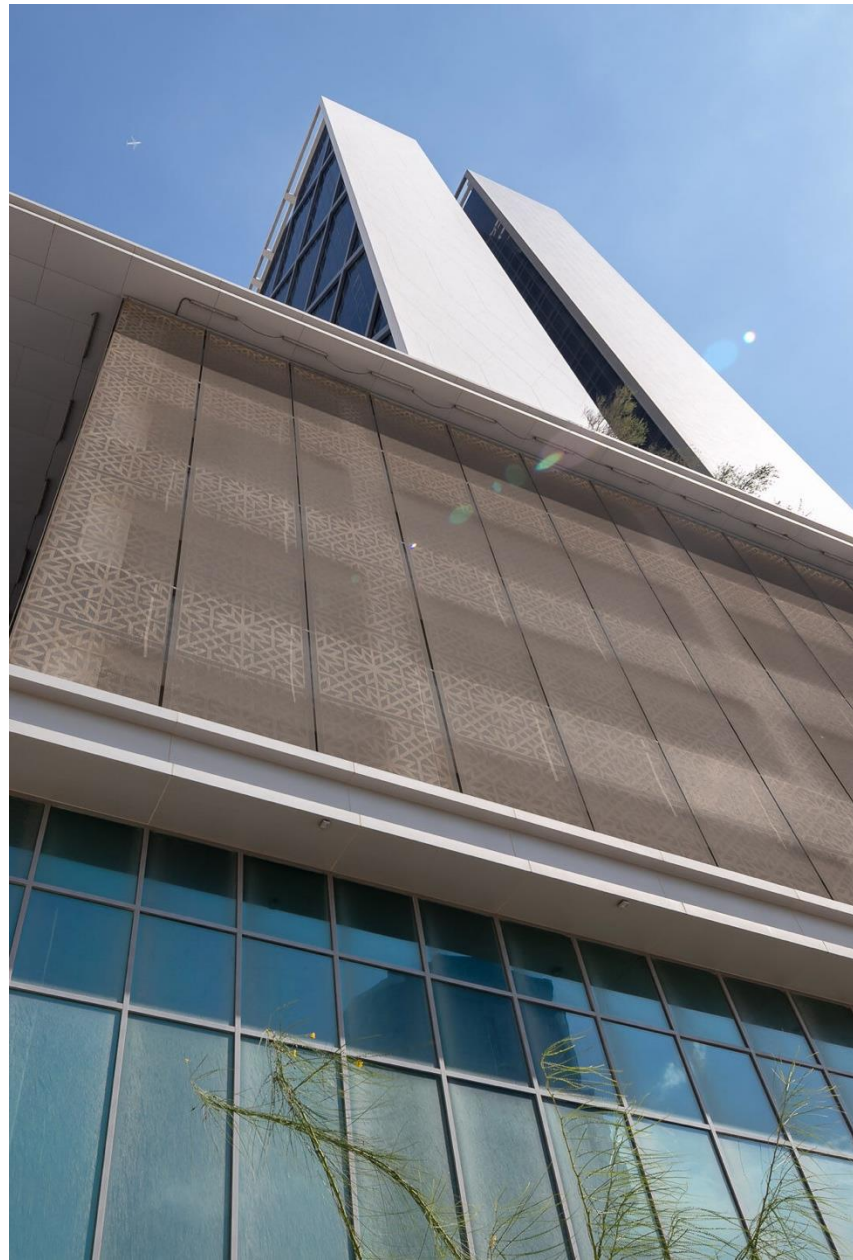
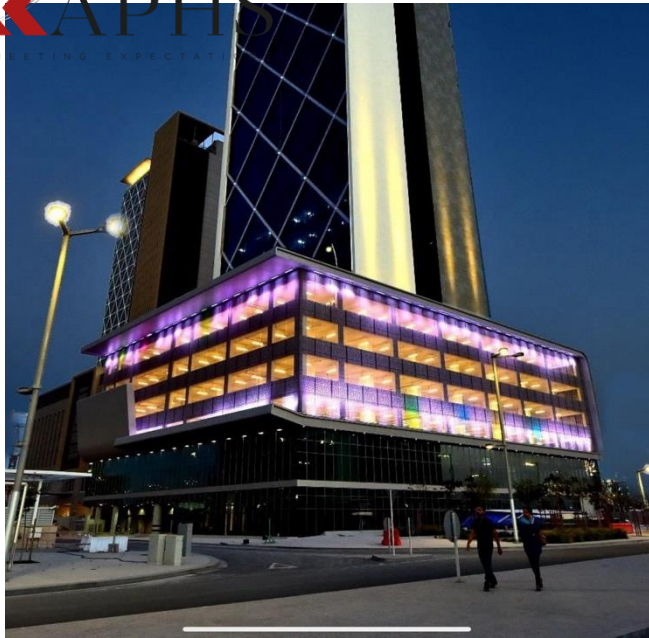
With one flat side the weave type EGLA-MONO appears as a uniform metal veil on large surfaces. Because of its homogenous appearance, it is often used. The special feature of the semi-transparent facade cladding of the Al Sendian Tower is the surface treatment of the wire mesh. A continuous oriental pattern was painted on every mesh elements.

KAPHS supplied 2.535 m² of painted wire mesh as ready-to-install mesh elements including the fastening system consisting of flat tension profiles, clevis bolts and pressure springs.

Location: Lusail - Qatar

Client: Sendian Group

Architect: Arab Engineering Bureau



Al Naeem Mall

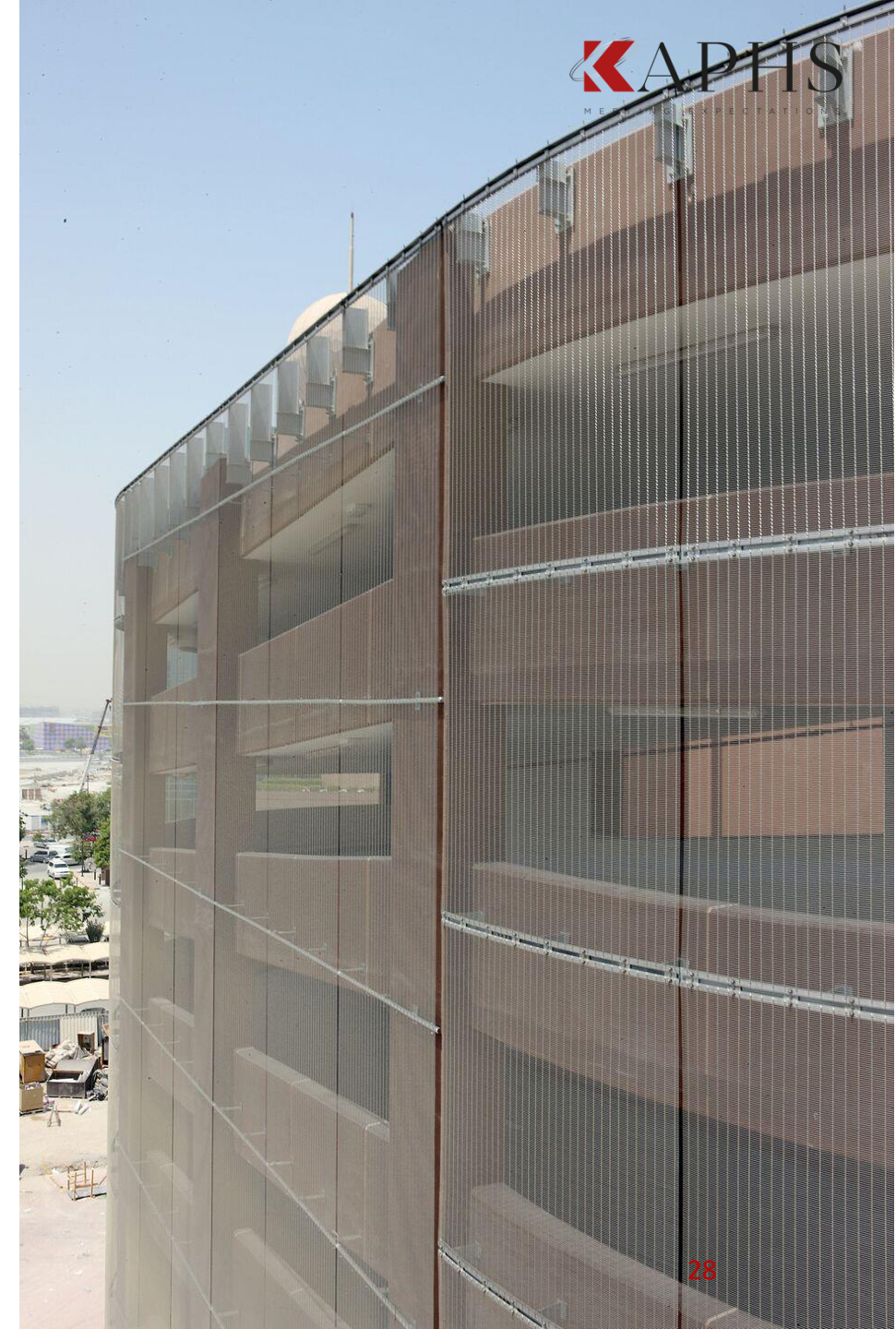
DOKA-BARRETTE is an amended version of the better known MULTI-BARRETTE cable mesh. Here the vertical cables are replaced by solid round wires, which lend more stiffness to the mesh. This characteristic is important to realize the round mesh construction in the areas of the ramps at the Al Naeem Mall Car Park.

In total KAPHS supplied 2250 m² of ready-to-install panels and supported the local contractor during the installation.

Location: Ras Al Khaimah - UAE

Client: Al Naeem Mall

Architect: Rice Perry Ellis





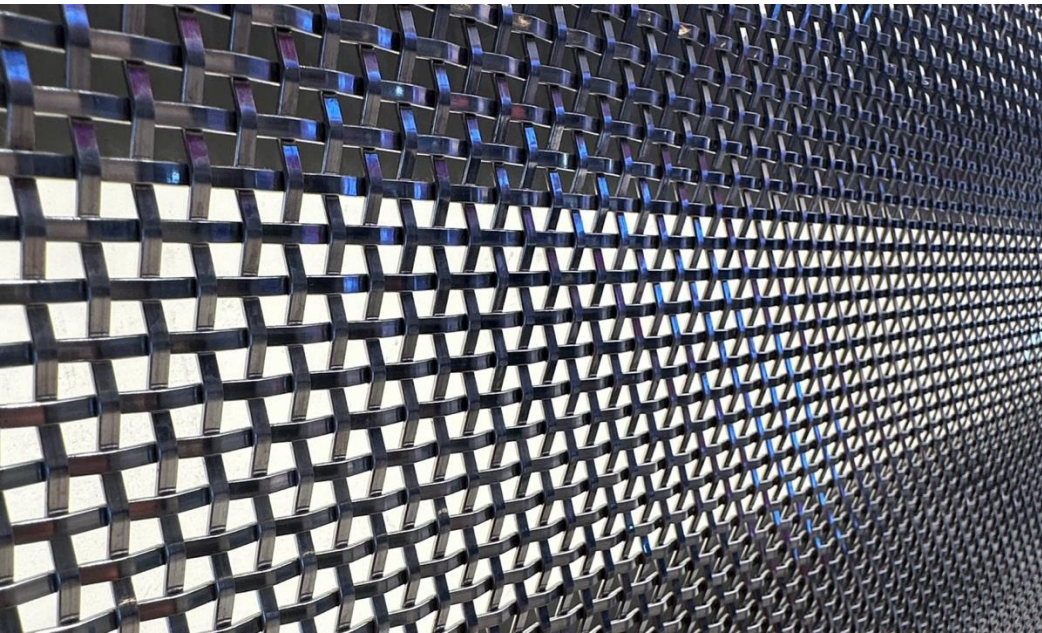
Adidas Young Athletes Store

The Adidas Young Athletes store in Dubai Mall showcases an impressive architectural design featuring the LARGO-PLONUS wire mesh. Unlike traditional meshes woven from round wires, LARGO-PLONUS is crafted from flat wires, lending it a unique and robust appearance. This architectural mesh, supplied by KAPHS, stands out due to its exceptional strength and durability. The flat wire construction increases the surface area, reducing transparency but enhancing the overall brilliance and visual impact of the store's wall claddings, creating an eye-catching and vibrant aesthetic for shoppers.

Location: Dubai – UAE

Client: Adidas

Architect: Adidas



PROJECT REFERENCES

Project	Location	Client	Architect	M ² Area	Application
ONGC Headquarters	Delhi - India	ONGC	Hafeez Contractor	10'155	Double Skin
PAAET AESSB	Kuwait City - Kuwait	PAAET	Jassim Quabazard	7'657	Double-Glazed, Interior
National Convention Centre	Doha - Qatar	QNCC	Aedas	6'000	Acoustic Wall Cladding
West Car Park	Doha - Qatar	Doha Sports City	Atkins	4'000	Ventilated Façade
WTC Mall	Abu Dhabi - Qatar	WTC Abu Dhabi	Foster & Partners	2'278	Laminated Wall Cladding
Al Naeem Mall	RAK - UAE	Ahmed Al Naeem	Rice Perry Ellis	2'250	Ventilated Façade
Sidra Medical Complex	Doha - Qatar	Sidra	Atkins	1'610	Ventilated Façade
North East Car Park	Doha - Qatar	Qatar Foundation	Atkins	870	Balustrade
Dr. Ali Fetais Tower	Lusail - Qatar	Dr. Ali Fetais	MZ & Partners	725	Ventilated Façade
Mercedes Flagship D3	Dubai - UAE	Gargash	Binchy & Binchy	464	Ventilated Façade
Al Sendian Tower	Lusail - Qatar	Sendian Group	AEB	3'500	Ventilated Façade
Bay View	Dubai - UAE	Damac	Arkitektnik	685	Canopy
National Museum	Doha – Qatar	NMOQ	Jean Nouvel	600	Interior Wall Cladding

PROJECT REFERENCES

Project	Location	Client	Architect	M ² Area	Application
Dubai Hills Business Park	Dubai - UAE	Emaar	Aedas	4'000	Ventilated Façade
DAFZA Food Court	Dubai - UAE	DAFZA	Archiplexus	720	Backdrop
Aspire Torch Tower	Doha - Qatar	Doha Sports City	AEB	30'000	Façade
Energy City	Doha - Qatar	ECQ	Priedman	3'000	Façade
BCFC	Manama - Bahrain	BCFC	MSCEB	750	Ventilated Façade
Al Ain Hospital	Al Ain - UAE	Seha	Gensler	2'500	Ceiling
Ministries Complex	Kuwait City - Kuwait	Ministry of Justice	PACE	5'600	Double Glazed, Interior
GCT Headquarter	Manama - Bahrain	GCT	MSCEB	224	Interior Wall Cladding
Al Sadd Sports Club	Doha - Qatar	Al Sadd Sports Club	James Cubitt & Partners	80	Column Cladding
Khalifa Stadium	Doha - Qatar	Doha Sports City		325	Façade
Mandarin Oriental Hotel	Doha - Qatar	MOHG	Burns & Mcdonnell	30	Dividers
Dolphin Village	Muscat - Oman	Dolphin Village Muscat		290	Balustrade
Al Kout Mall	Kuwait City - Kuwait	Tamdeem Group	KEO	3'033	Façade
Adidas Young Athletes Store Dubai Mall	Dubai - UAE	Adidas	Adidas	243	Interior Wall Cladding

QUALITY CERTIFICATION



VERITAS



CERTIFICATE

OF REGISTRATION

This is to certify that the Management System of

KAPHS Middle East Building Materials Trading LLC

Office 1701, Prime Business Center A, Jumeirah Village Circle (JVC), District 13, Dubai, United Arab Emirates.

has been assessed and registered by Veritas System Quality Certificates as conforming to the requirements of

ISO 9001:2015

Quality Management System

The Quality Management System is applicable to:

Building & Construction Materials Trading

IAF/EA-NACE Code: 29-46.63

Certificate No : VSQC099-421231032

Initial Certificate Date : 16-09-2023

Surveillance due date / Certificate expiry date: 15-09-2025

Re-certification due date: 15-09-2026

Note: Validity of this certificate is subject to successful completion of each annual surveillance audit on or before due date, in case surveillance audit is not conducted then this certificate shall be suspended/cancelled.



Authorised Signatory

**Veritas System
Quality Certificates Issuing LLC**

P.O. Box: 122982, Al Karama, Dubai,
United Arab Emirates.



This certificate remains valid while the holder maintains the management system in accordance with the standard(s) above, which will be periodically audited by Veritas System Quality Certificates Issuing LLC.

This certificate remains the property of Veritas System Quality Certificates Issuing LLC and must be returned on request. In the issuance of this certificate, Veritas System Quality Certificates Issuing LLC no liability to any party other than to the client, and then only in accordance with the agreed upon certification agreement. Validity of this certificate may be confirmed at www.veritasassurance.com, directly through QR code by using any device with correct information or email to admin@veritasassurance.com.

Issue No.: 01





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