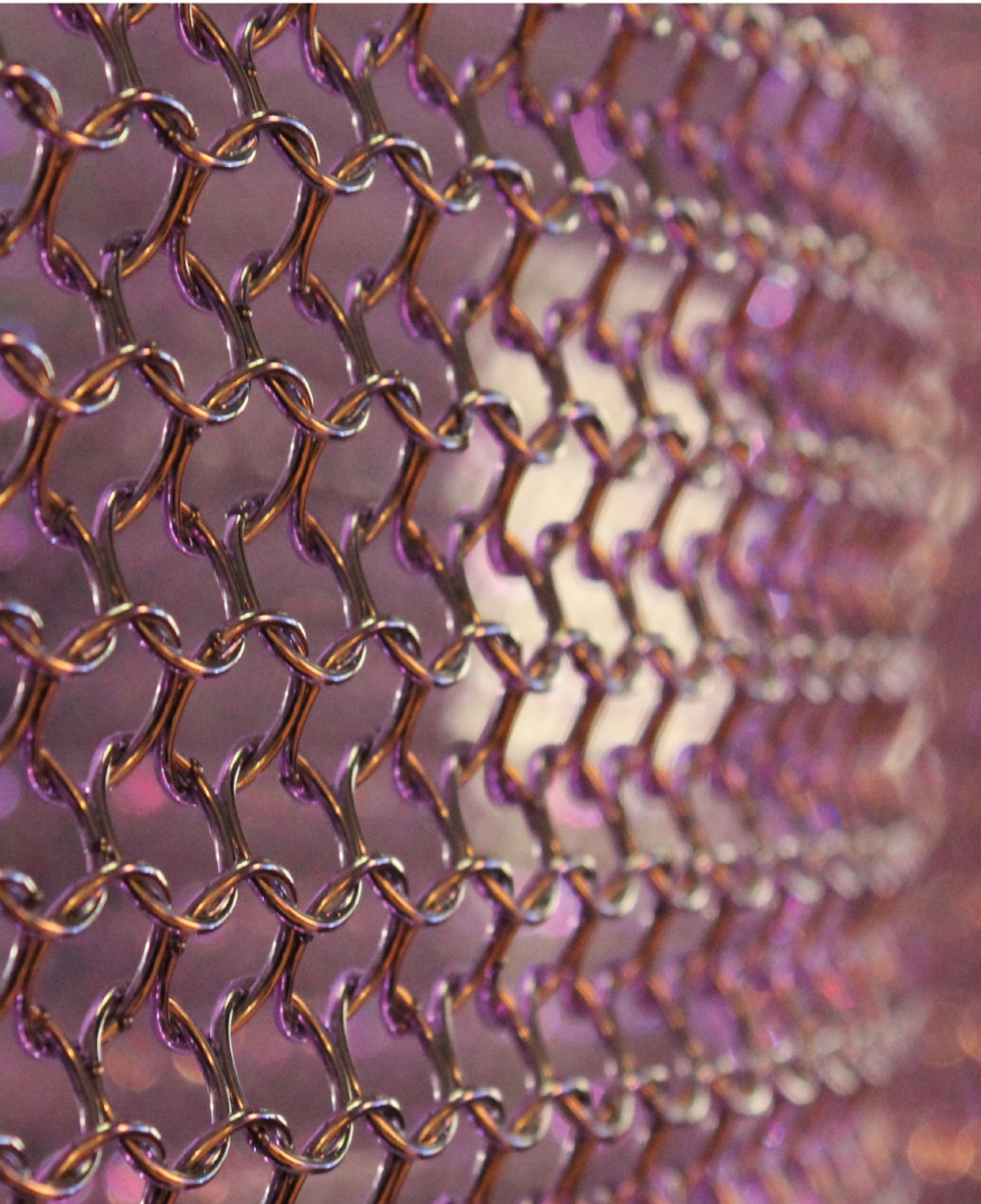
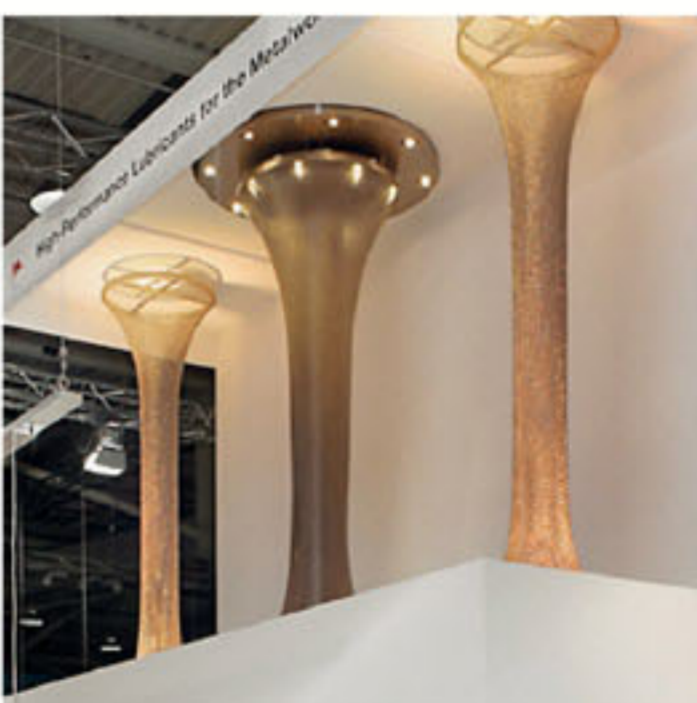


alphamesh[®]



alphamesh



promesh GmbH has been producing and developing ring mesh and scale mesh for architectural applications since 2006. The claim to quality, function and design that is unique to alphamesh of constantly realising new ideas for application with visionary force.

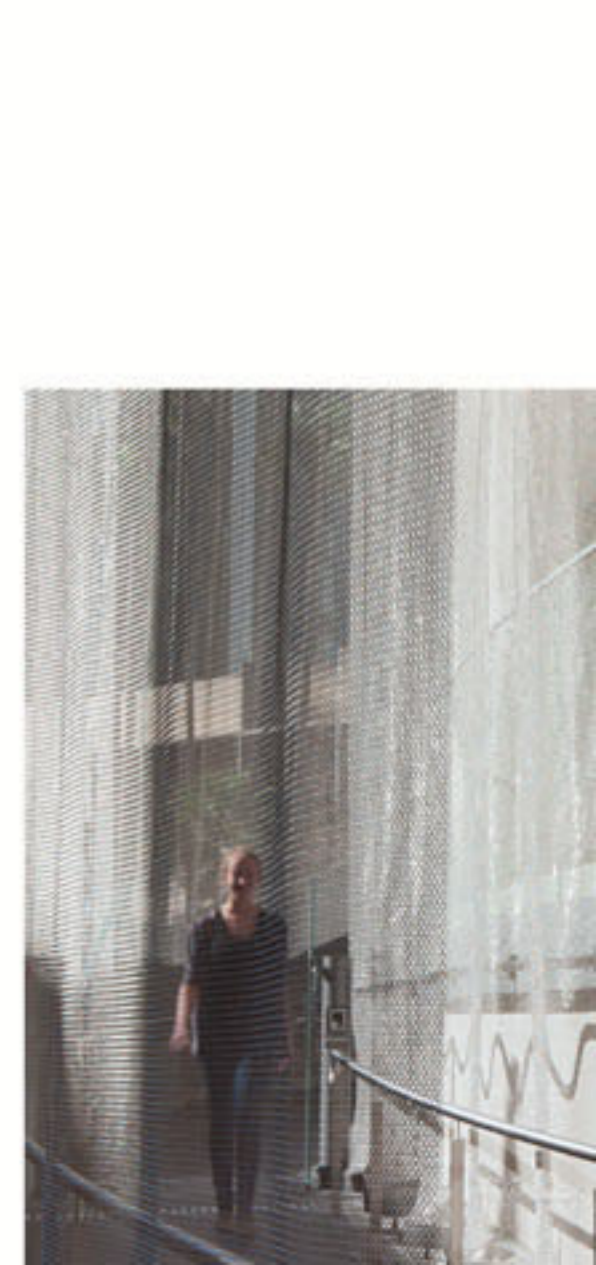
As a new original material alphamesh fascinates today in the most diverse architectural and design application areas, from very small to very large. Since size is what makes alphamesh unique worldwide. This is made possible thanks to a special manufacturing process, which enables almost unlimited dimensions and therefore unimaginable scope. As a facade cladding in building dimensions, as a light shell structure or as an interior design element alphamesh always impresses with its option of redefining the term space, as the transition from flat two dimensionality into a shaping 3rd dimension is natural for the flexible material. alphamesh uses light and water as a stage for its own production, with reflections here and the modulation of flowing dynamics there. And because alphamesh's range of application is as diverse as the ideas that architects and planners associate with it, alphamesh is not just a product but rather an unlimited creative design process.



Bligh Street Sydney

The Project

A fixture of Sydney's skyline. The office building on 1 Bligh Street in Sydney stretches 139m into the sky. But it isn't the height of the building in the Sydney harbour skyline that makes it unique. Number 1 Bligh Street, the building with an unobstructed view of the harbour and the opera house, is unique as it is the





first ever building in Australia to be honoured with the „6 Star/World Leadership“ certificate from the Australian „Green Star“ environmental standards agency. Number 1 Bligh Street is the perfect symbiosis of design, technology and sustainability; virtues which are also evident in the alphamesh 12.0

curtain on the ground floor of the building. The 17m high and 90m long transparent mesh surrounds the outdoor area of the building’s kindergarten and defines a space that offers the highest possible degree of visual freedom.

Project 1 Bligh Street, Sydney
Country Australia
Architects ingenhoven architects, Düsseldorf
Ring Mesh alphamesh 12.0
stainless steel 1.4404



Swarovski Wattens



The Project

The alphamesh curtain is composed of more than 26 million individual welded rings and encloses the premises like a work of art. With a height of 10m, the curtain meanders along a total length of 250m and plays tricks on those who look at it over its entire length. Apparently cloaking yet open like a transparent door at the same time. What lies behind the curtain can only be guessed at and never unveiled.

As soon as it becomes dark, the curtain changes into a 2,500m² stage on which continuously changing coloured lights are displayed. The curtain that was made for Swarovski in 2008 is not only the world's largest ring-mesh feature. All the same, Swarovski's curtain is proof that it is possible to create alphamesh in almost any dimension and that it can also be designed and constructed so that it appears to float.

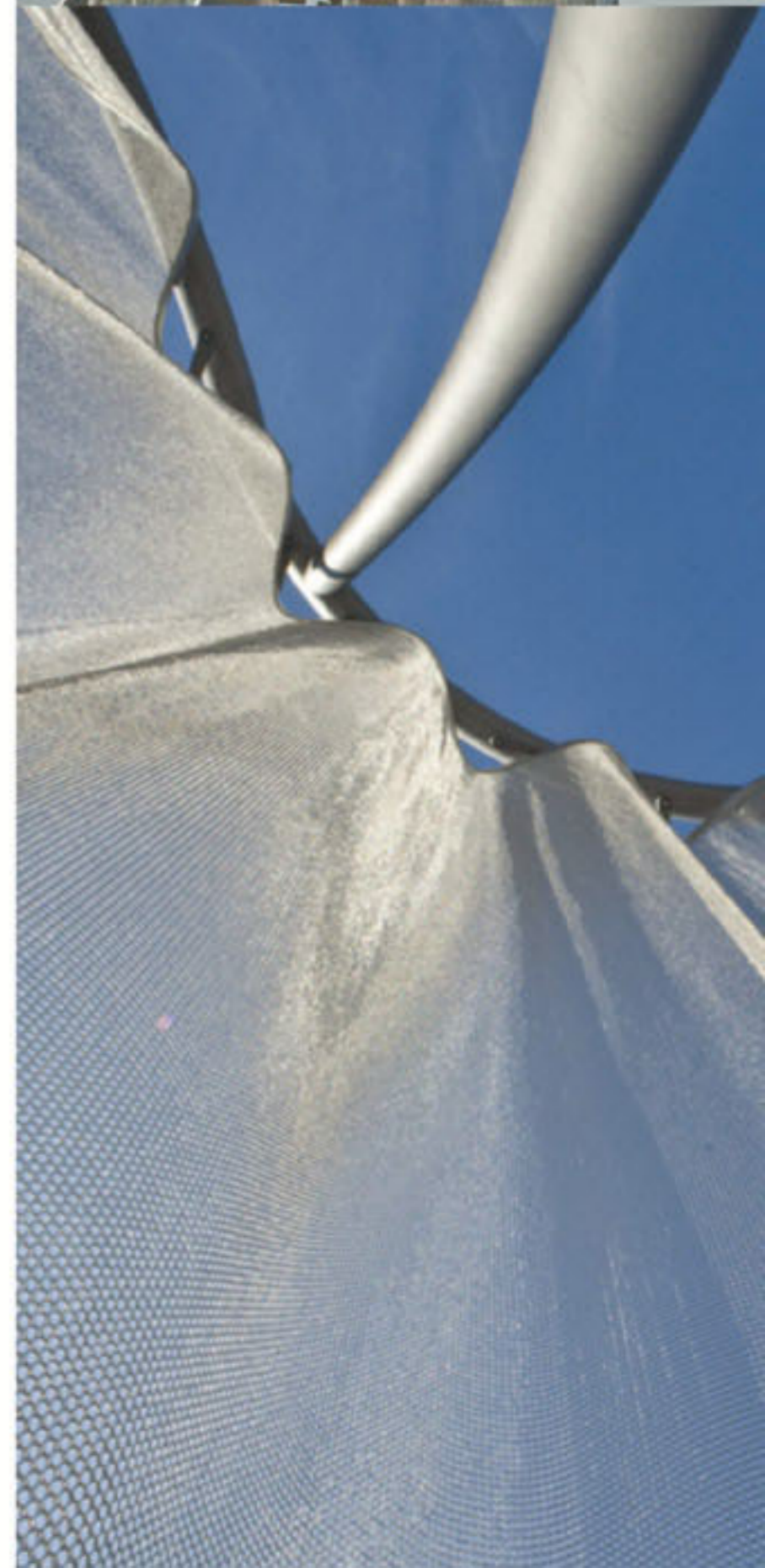
Project Swarovski, Wattens

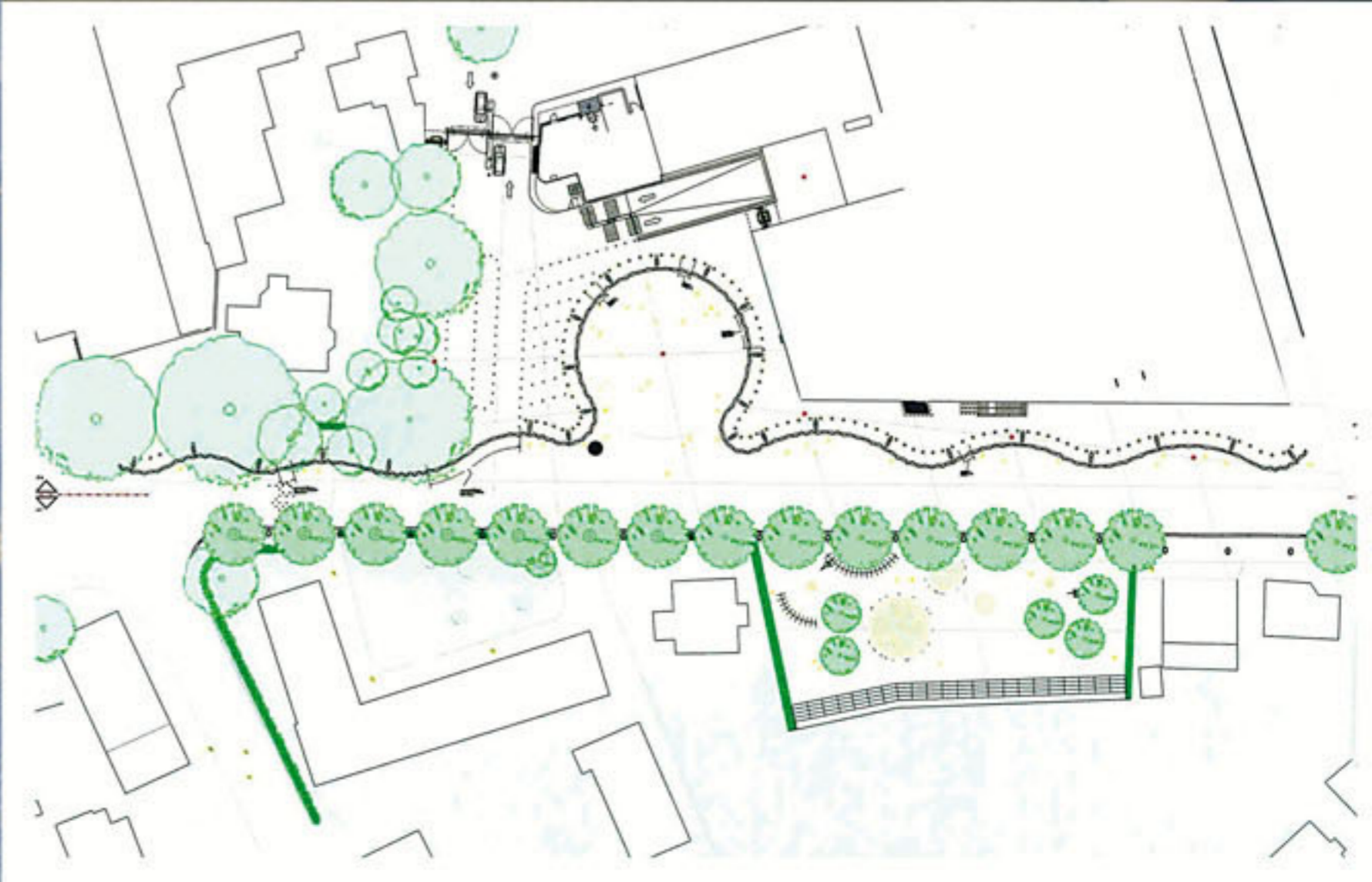
Country Austria

Arcitects Ingenhoven Architekten,

De signstudio Regina Dahmen-Ingenhoven, Düsseldorf

Ring Mesh alphamesh 12.0 stainless steel





Martin & Lola Évry

The Project

What is a wall? Simply a vertical surface?

Or do walls determine the perception of architecture?

The exterior facades of the Martin & Lola shopping centre are more than just vertical surfaces. They are covered with more than 1,000m² of alphamesh 12.0. Apparently weightless, the ring-mesh floats in front of the facade and follows the outline of the building in gentle curves, tasks which alphamesh can master with ease due to its low surface weight and its great flexibility.

Yet alphamesh isn't just practical. Its elegance is also clearly evident every day when the sun breaks through and shines on its thousands of shiny stainless rings. And also at night, when coloured light shines on the facade and makes it a charming local sight.

Project Martin & Lola, Évry

Land France

Architects Construction Metalliques Auer, Occey

Ring Mesh alphamesh 12.0 stainless steel

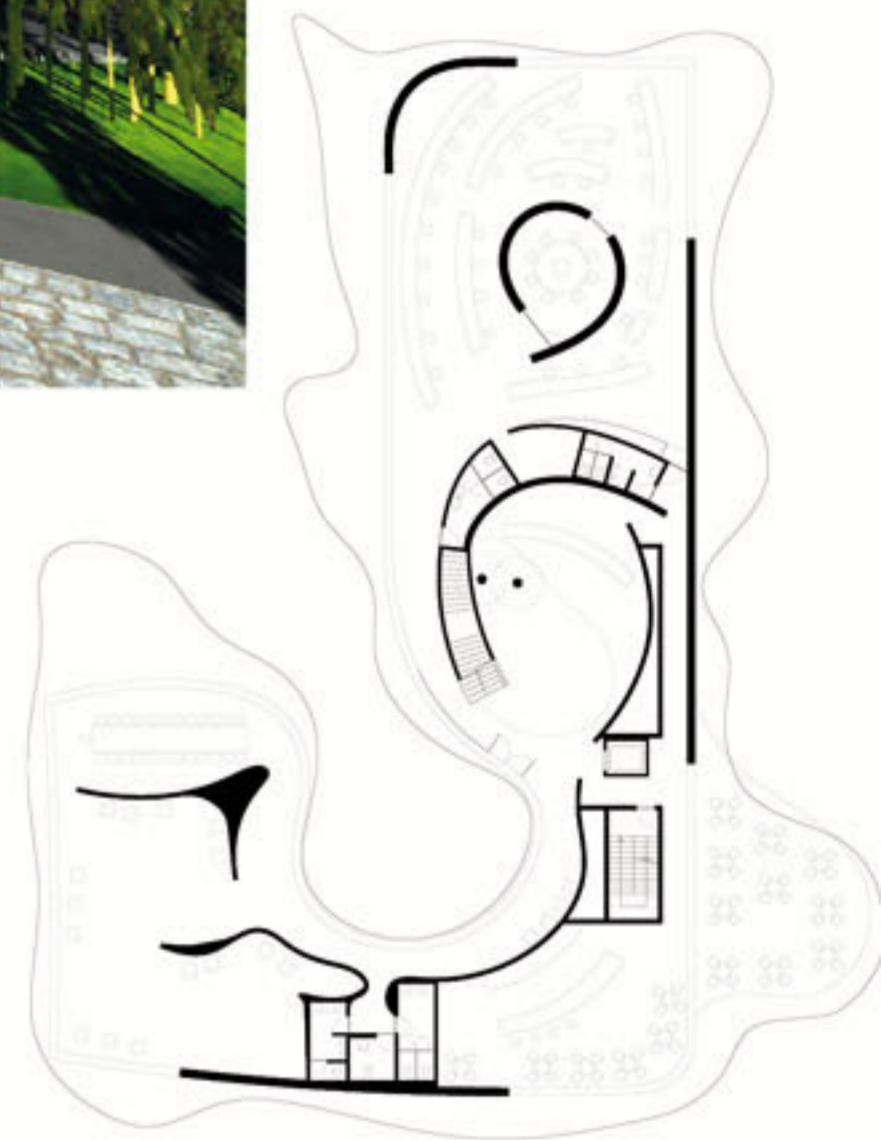




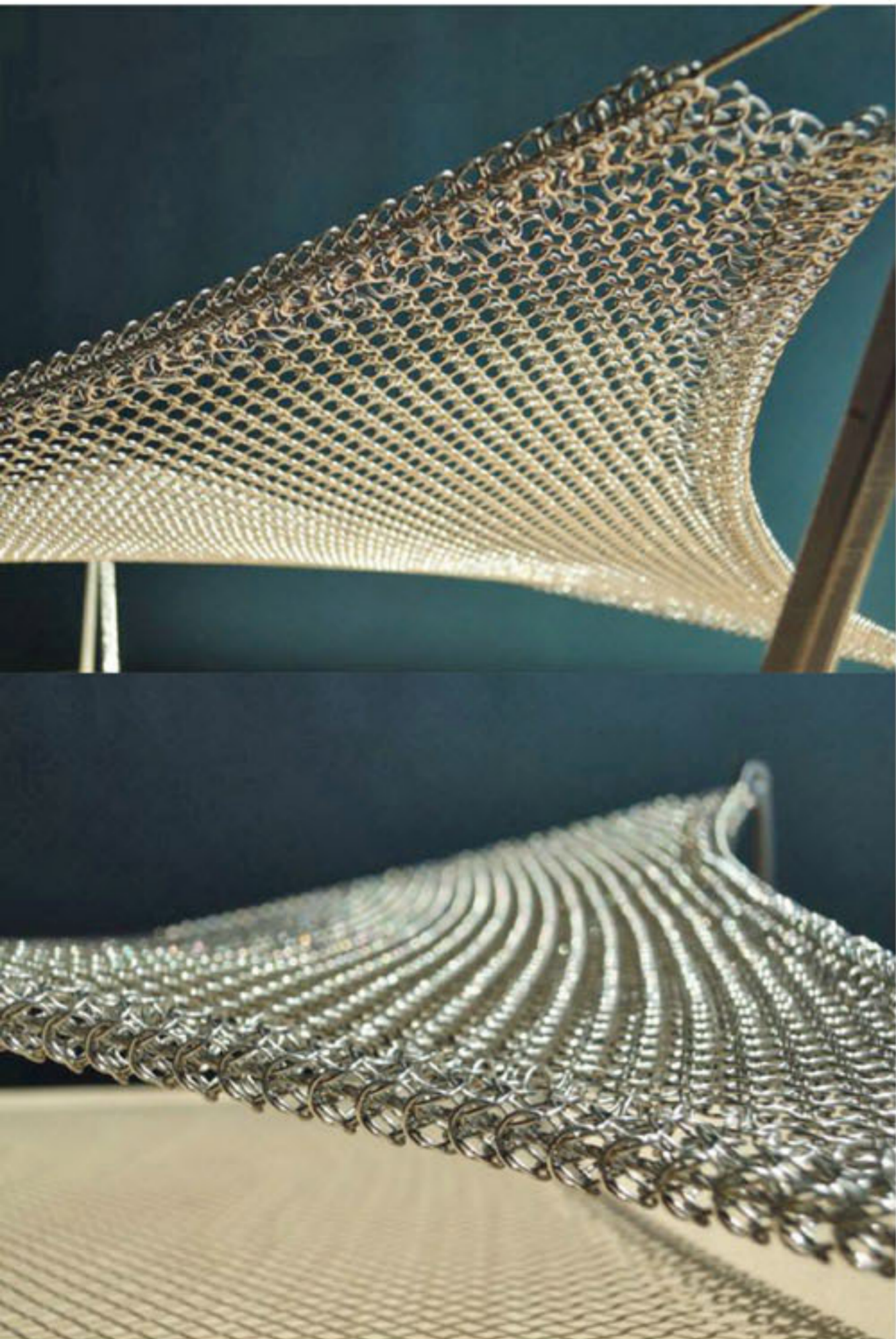
Project WiT, Coimbra
Land Portugal
Architects Luís Flório, Condeixa-a-Nova
Ring Mesh alphamesh 12.0 stainless steel

The Project

Sometimes less is simply more. When designing the facade of the WiT headquarters in Coimbra, Portugal, architect Luis Florio opted for more attention by using less material. The ringed structure of the alphamesh covers just 37% of the surface and therefore allows sufficient scope for communication from the inside to the outside. And in so doing, the edifice becomes the metaphor for a company that develops software for „Mobile Communication“.



New Application: Free-form surfaces

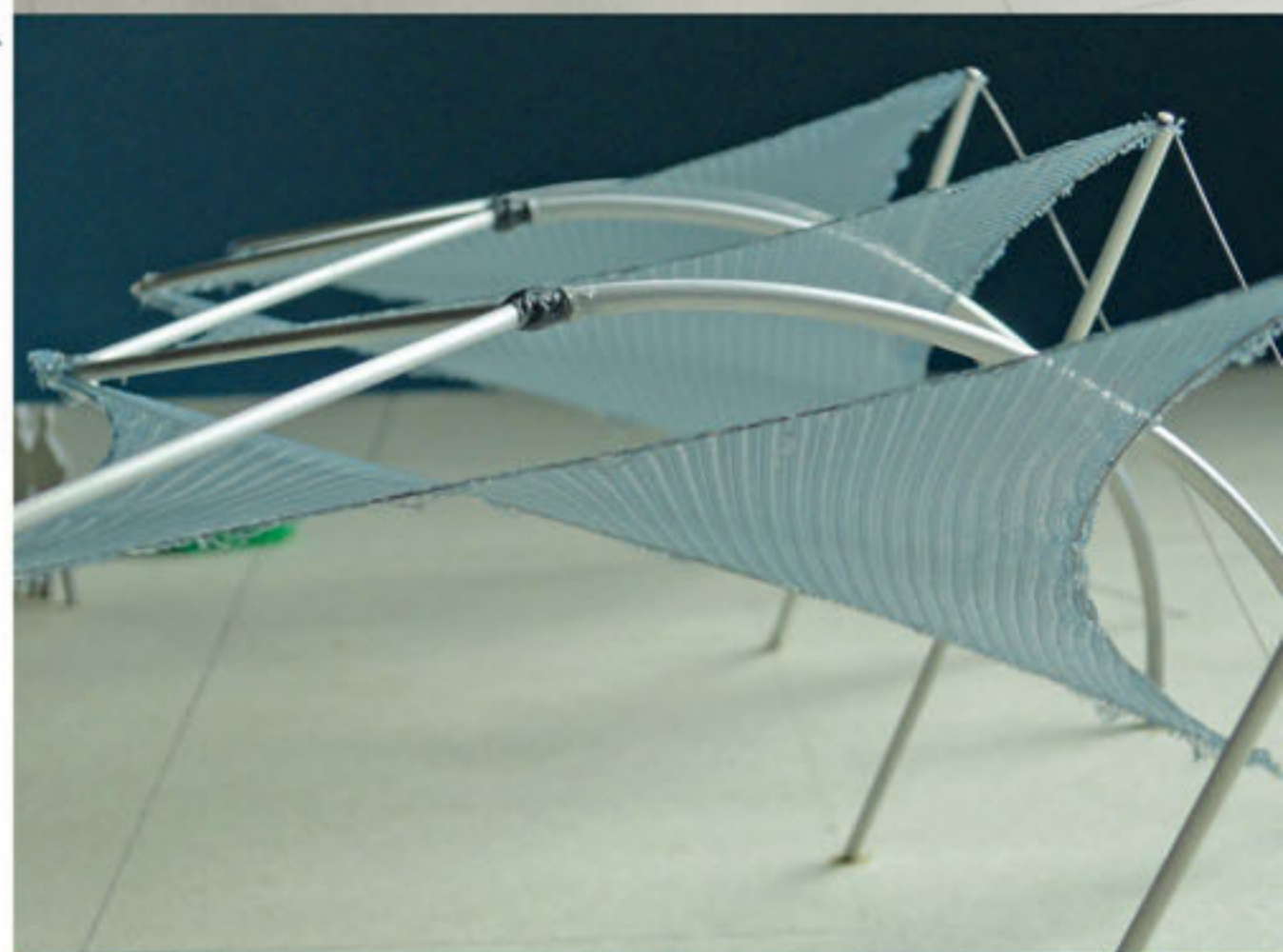
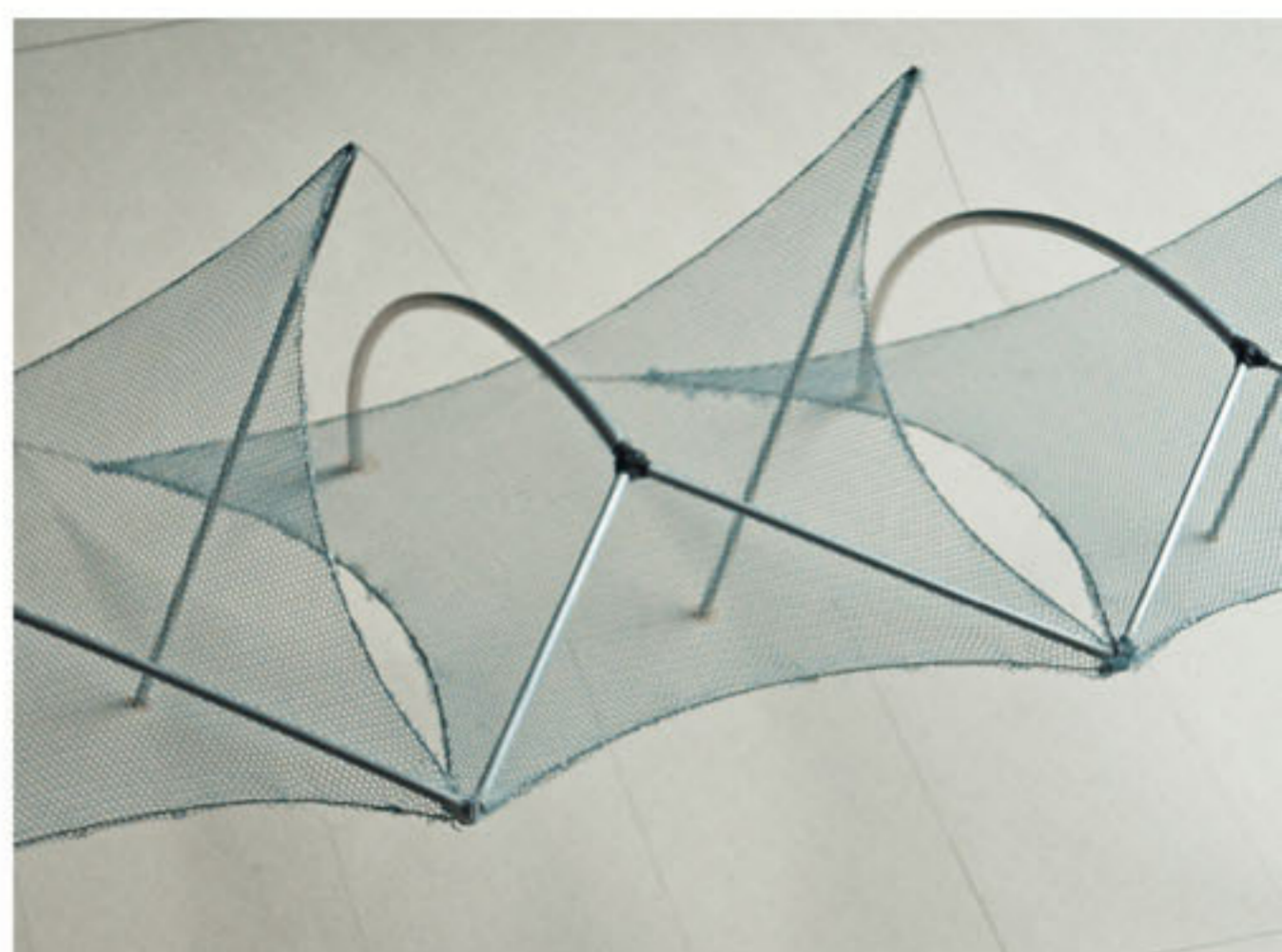
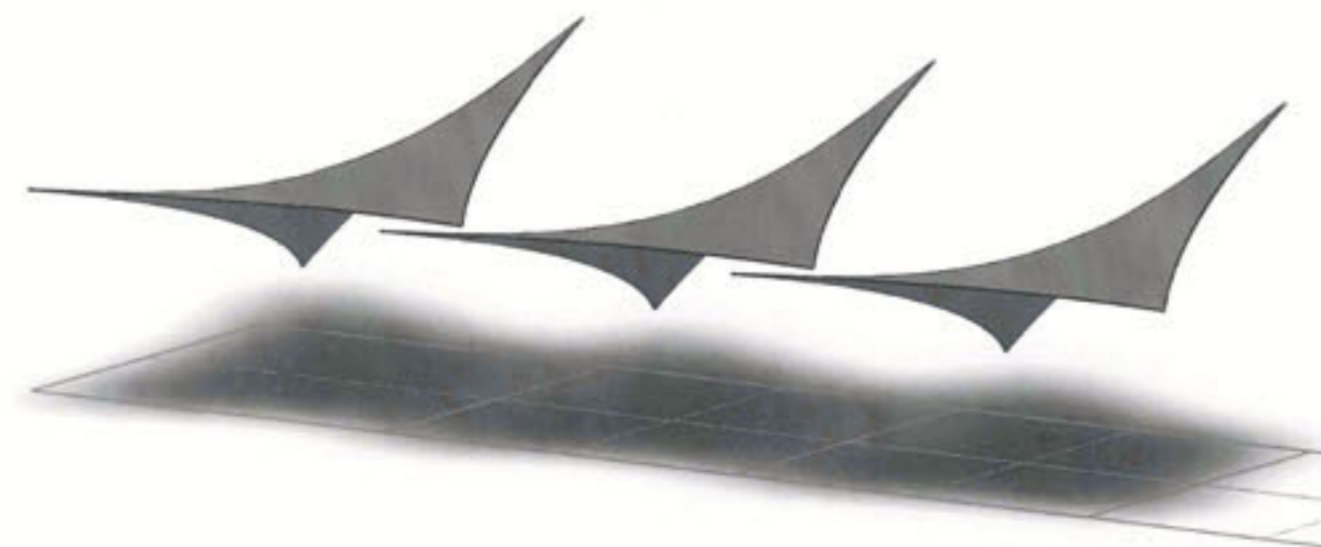
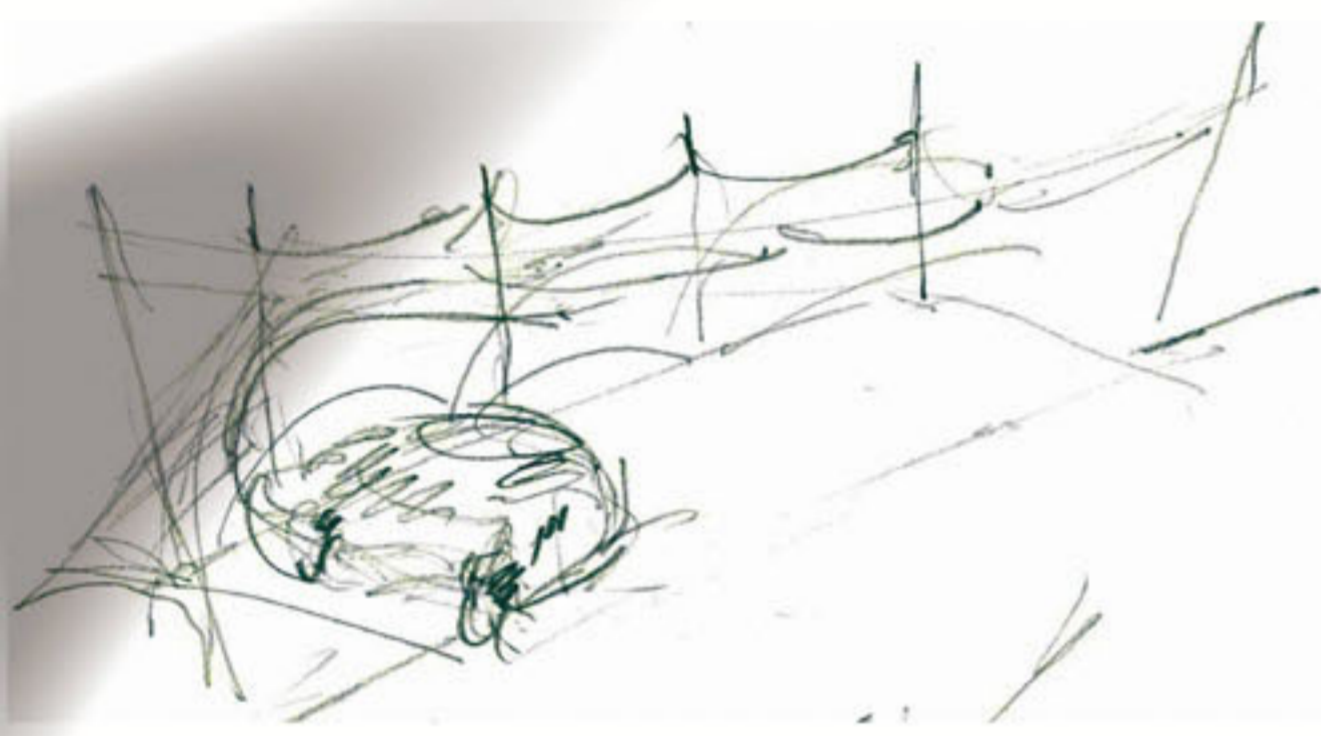


Free-form surfaces

In its search for new challenges and freedoms, alphamesh has discovered the free-form surface as its very own creative potential.

Malleable and gently-hanging ring-mesh made out of stainless steel. What could be more appropriate than thinking about free-form surfaces which are not defined in the context of their construction? Or about textile architecture and seemingly fragile designs in which alphamesh plays with both the light and the lightness of being.

Project „Carport“



Zoo Prague



The Project

In the 1920s, Josef Gočár built the two wooden structures which continue to serve as the restaurant and small museum in Prague Zoo to this day. To create sufficient space for presentations in the museum, the architects created a surface made out of alphamesh which runs through the entire room like a curved ribbon. The ring-mesh, made from polished stainless steel, is fixed-installation and stretches across the room with two profiles, with one each on the topside and the underside. The entire structure hangs from the ceiling and is also fixed to the floor.

Project Zoo, Prague

Country Czech Republic

Architects Qarta architektura, Prague

Ring Mesh alphamesh 12.0 stainless steel



Opposite House , Beijing



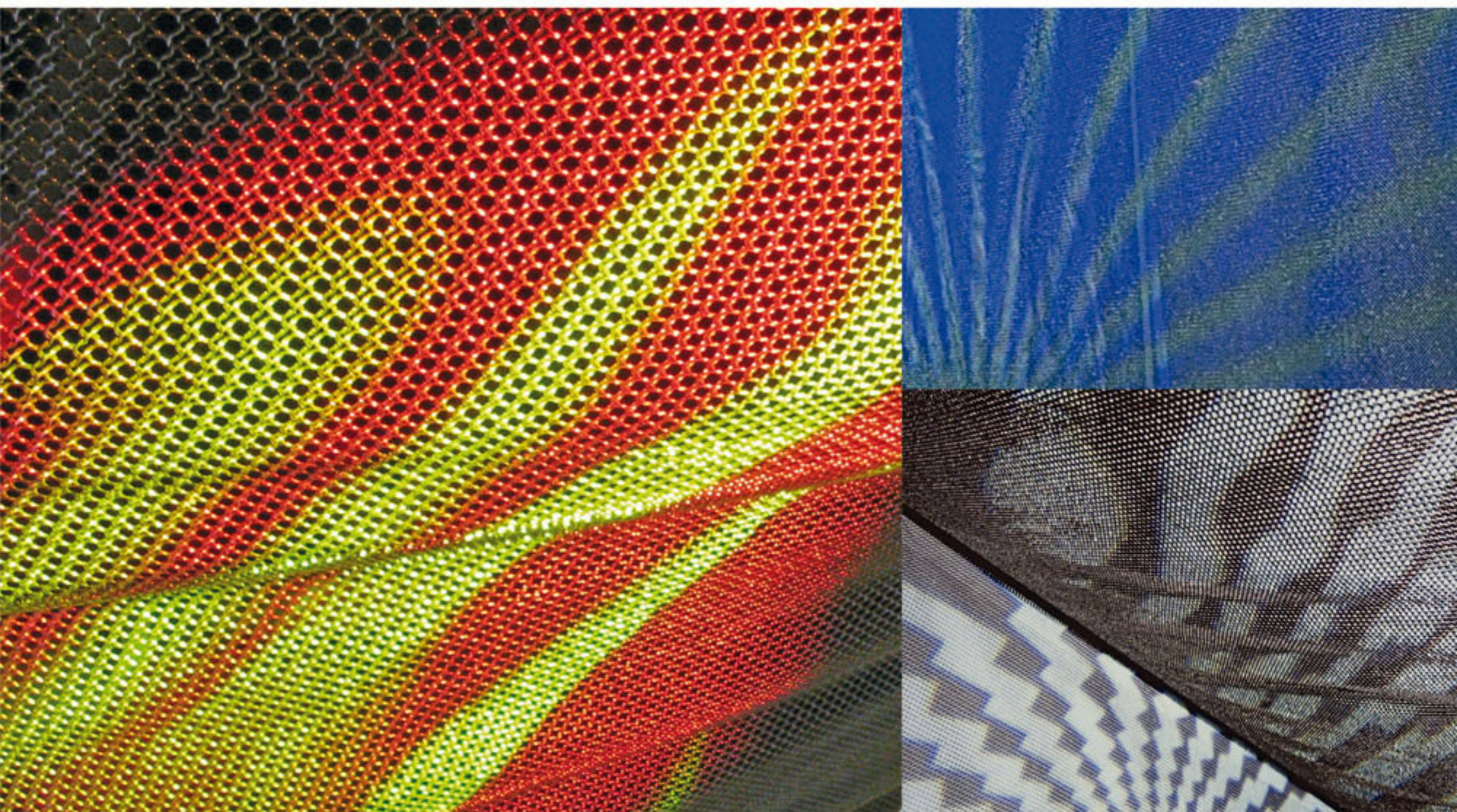
The Project

Cool and cosmopolitan. Elegant and glamorous.
And yet cosy and attractive.

Such were the architects' aims for the lounge in The Opposite House luxury hotel. The alphamesh ring-mesh, which combines polished stainless steel with its stark elegance with the appearance and surface feel of cloth, was ideal for these aims. And since alphamesh is much more than just cool and attractive at the same time, they not only covered the ceilings and used this expressive ring-mesh, transparent, metal curtain to separate the lounge from the bar. They also used alphamesh as a projection screen for colourful slide shows and designed a ceiling-height wine rack on the wall behind the bar.



Project The Opposite House, Beijing
Country People's Republic of China
Architects KENGO KUMA & ASSOCIATES, Tokio
Ring Mesh alphamesh 12.0 stainless steel



Booth Mobil



The Project

A stand decorated with design icons. This is how oil company Mobil presented itself at the EMO 2011. Harmoniously integrated: the design-oriented alphamesh. Three pillars made from ring-mesh, positioned above the bar by the designers of the stand. The two transparent, illuminated pillars on the outside each flank the centre pillar, which is equipped with an additional water feature. The continuous film of water was used as a substitute for the oil film, which powers a multitude of mechanical constructions.

Project Mobil Booth, Hamburg

Country Germany

Design Ehrenberg 360°

Building Messebau Sommer, Seevetal

Ring Mesh alphamesh 12.0 stainless steel,
alphamesh 7.0 stainless steel



Das Project

The air of the casino in Düsseldorf trade fair hall. The Crown stand at the IMA 2011 shone a golden light. Shown in the continuous reflections of the bronze alphamesh ring-mesh which covers the back wall of the bar and enthrones itself atop a voluminous lampshade that is clearly visible above the stand.

Project Crown Booth, Düsseldorf

Country Germany

Idea gürtlerbachmann Werbung GmbH, Hamburg

Design G+P, Gesellschaft für temporäre Projekte, Harsewinkel

Building Gantenbrink + Partner, Rheda Wiedenbrück

Ring Mesh alphamesh 12.0, bronze polished



Waterwall Salem



The Project

The water in the office building falls from a height of over 3 floors. Sometimes gentle, sometimes fast and furious. The falling water is guided downwards by alphamesh tracks over a height of 8 metres. It almost appears as if the stainless steel rings want to stop the water. This leads to an independent symphony of braked wave rhythms which eventually succumb to the force of gravity.

The water feature is accentuated by light compositions which change rapidly and shine onto the water. However, it isn't only an impressive sight. It also benefits the room climate, as the humidity of the room is balanced out and the gentle babbling sound create a sense of well-being in the room.

Project Wasserwall, Salem

Country Germany

Architects

Metallatelier Fuchs, Deggenhausen

Ring Mesh alphamesh 12.0 stainless steel

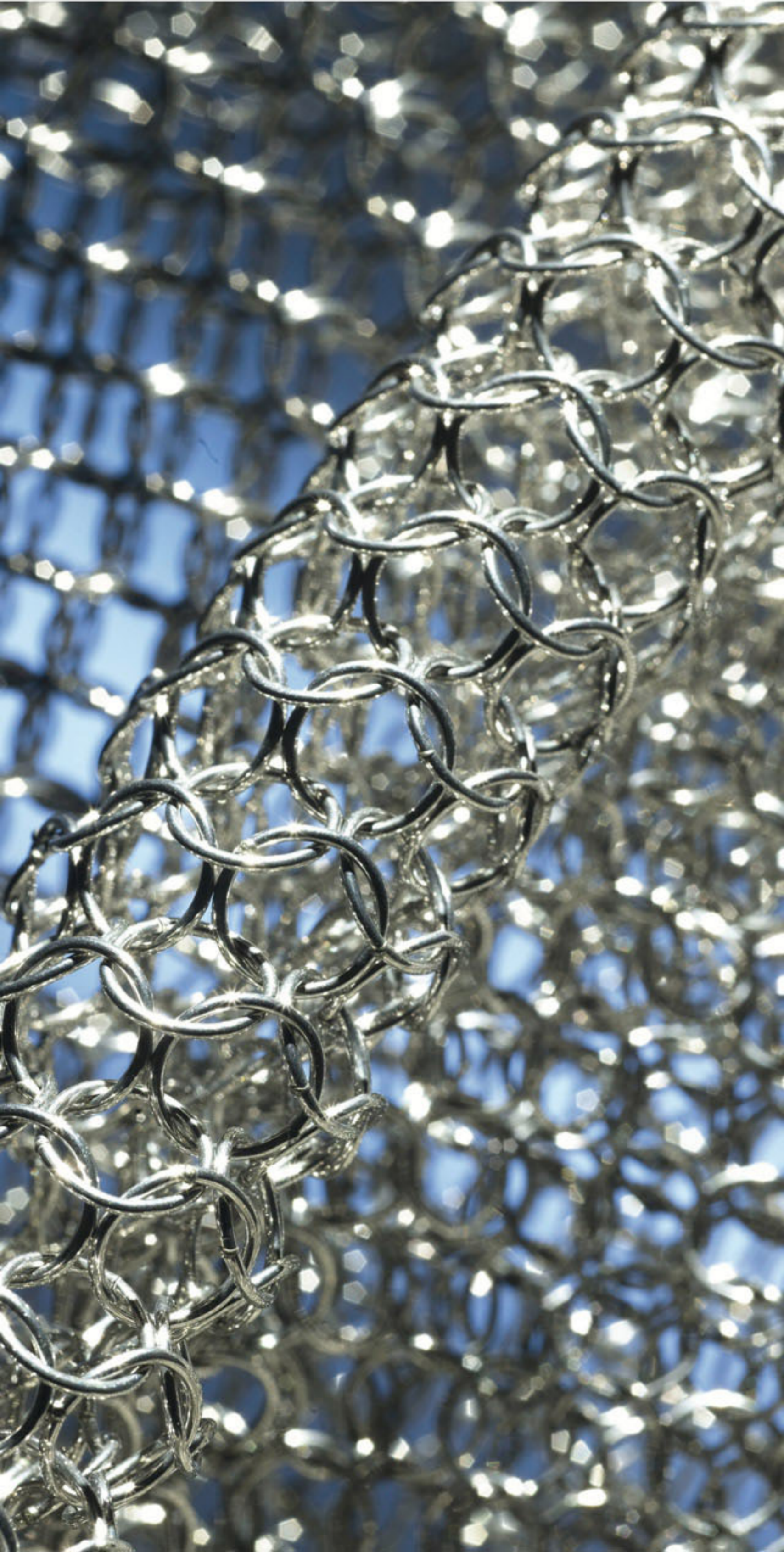


Mankind has always marvelled at the medium that is water, since water lets almost nothing stop it. A small piece of the magic that is the natural waterfall is accentuated when alphamesh and water come together. And yet water and alphamesh are not only exhilarating to the senses. Just as it does in the natural world, water also has a vast range of uses indoors. It clears the air of airborne particles and acts as a humidifier, providing a pleasant room climate.

Waterfalls, water walls or fountains - the idea that combines alphamesh with water is to create individual systems which can be installed either inside or outside. The systems are variable in their dimensions, whereby the specific use determines the visuals. Hotel and company foyers, public or commercial buildings, shopping centres or shops, or in the private sphere, everywhere is the right place for an exhilarating experience with alphamesh and water.



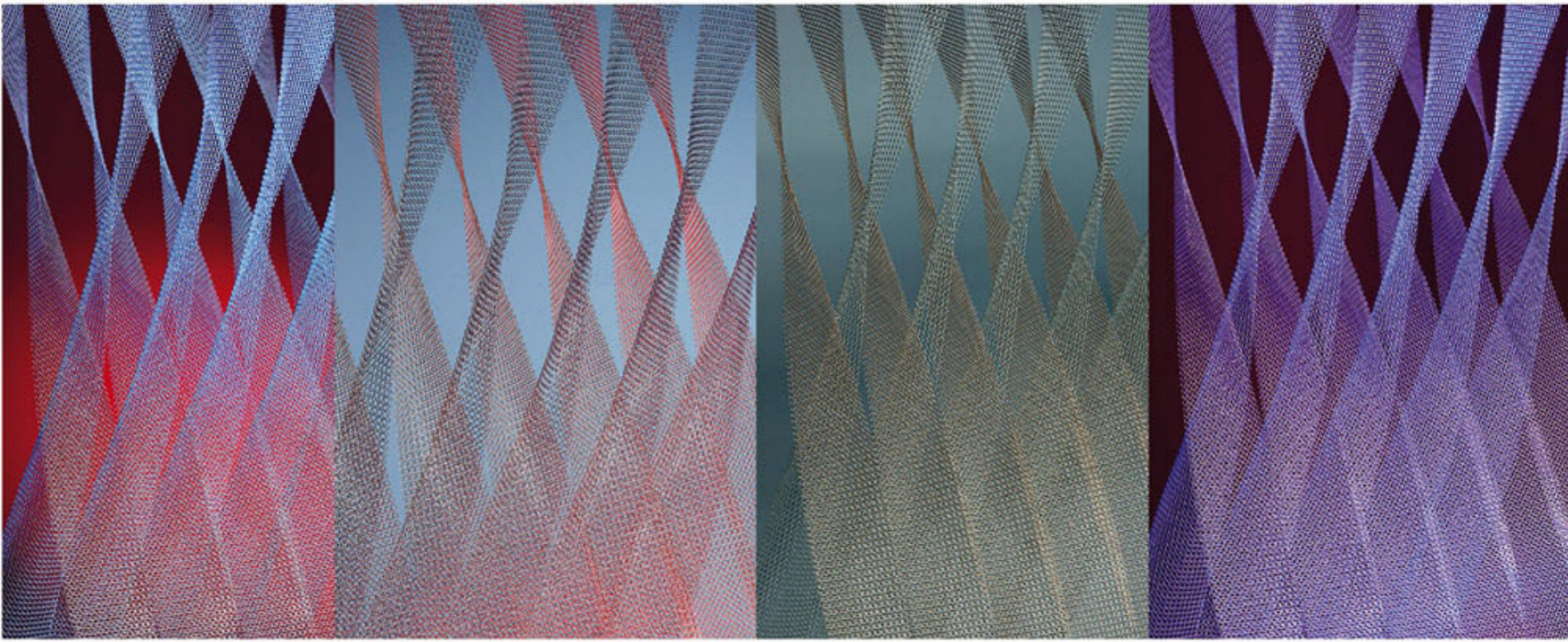
Focus: Light



With alphamesh it is possible to define a type of architecture which continuously interprets space in new ways.

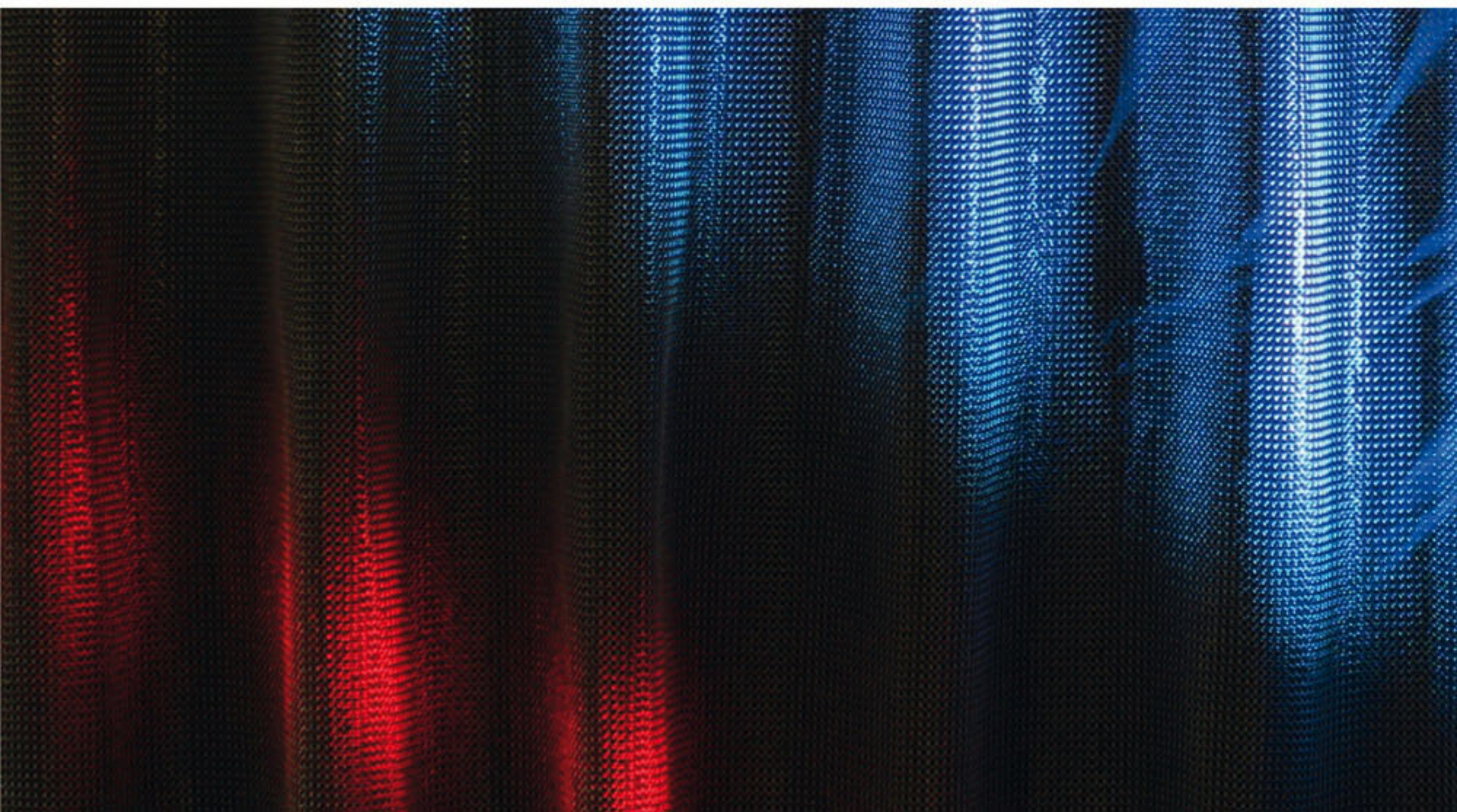
The same applies to the medium of light. Therefore, when they are combined, alphamesh and the light which accompanies it determine the perception of the space and the architecture. When used properly, light can accentuate the impact of alphamesh, but alphamesh can also do the same for light. When metal and light are combined, you can be sure it will always be fascinating.

And since the ring-mesh reflects the light in every single one of its rings and with different levels of intensity, vibrant visuals always result.



When alphamesh and light meet, visuals with particularly radiant effects are produced. The light sources, ring diameters and specific configuration of the alphamesh are the factors which shape this creative play with light. And yet alphamesh is not only superb in terms of the

interplay between light and shadows. The ring-mesh is also suitable for clear, sharp and reflex-free projections and therefore all uses for communications with light or in which light is used.



alphamesh Ring Mesh

12.0 stainless steel

Material: stainless steel 1.4404

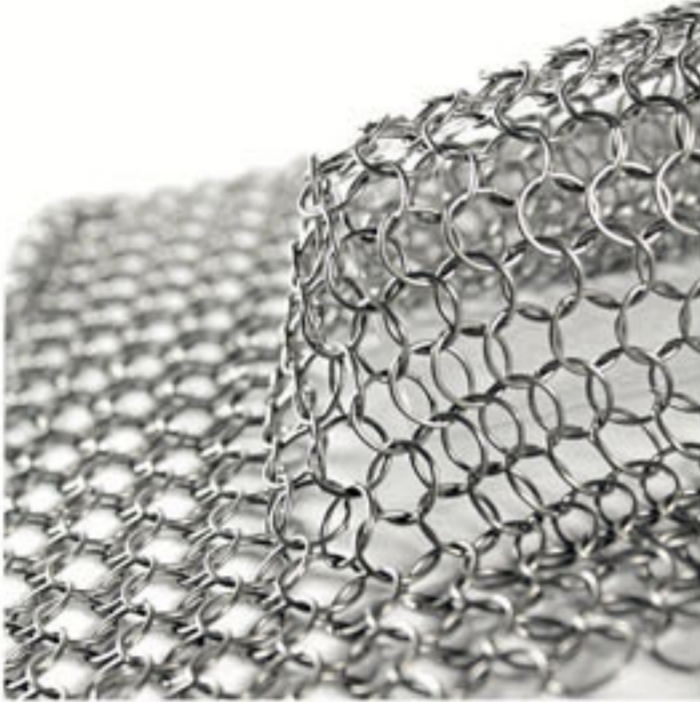
Ring Diameter: 12 mm

Wire Gauge: 1.1 mm

Weight: c. 3.20 kg / m²

Tensile Strength: c. 51.48 kN/m

Open Area: c. 63 %



12.0 bronze

Material: bronze CuSn6

Ring Diameter: 12 mm

Wire Gauge: 1.1 mm

Weight: c. 3.84 kg / m²

Tensile Strength: c. 34.85 kN/m

Open Area: c. 63 %



12.0 bicolor

Material: stainless steel 1.4404 /
bronze CuSn6

Ring Diameter: 12 mm

Wire Gauge: 1.1 mm

Weight: c. 3.60 kg / m²

Tensile Strength: c. 34.85 kN/m

Open Area: c. 63 %



Surfaces: nature, polished, dull

Mesh width ex works width: 1.00 m - 9.60 m height: max. 15.00 m

Further dimensions on request

7.0 stainless steel

Material: stainless steel 1.4404

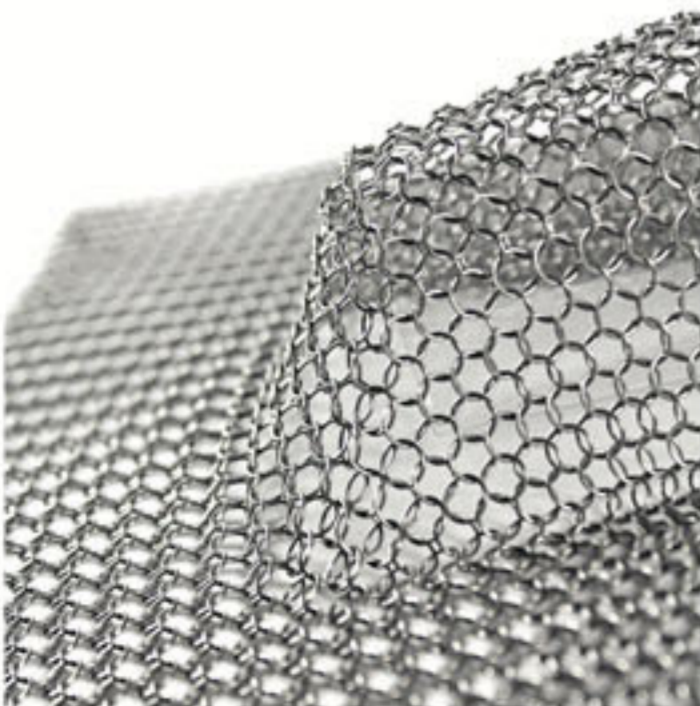
Ring Diameter: 7 mm

Wire Gauge: 0.7 mm

Weight: c. 2,20 kg / m²

Tensile Strength: c. 35,74 kN/m

Open Area: c. 60 %



7.0 bronze

Material: bronze CuSn6

Ring Diameter: 7 mm

Wire Gauge: 0.7 mm

Weight: c. 2,50 kg / m²

Tensile Strength: c. 19,24 kN/m

Open Area: c. 60 %



Surfaces: nature, polished, dull

Mesh width ex works width: 1.00 m - 5.00 m height: max. 5.00 m

Further dimensions on request

alphamesh Scale Mesh

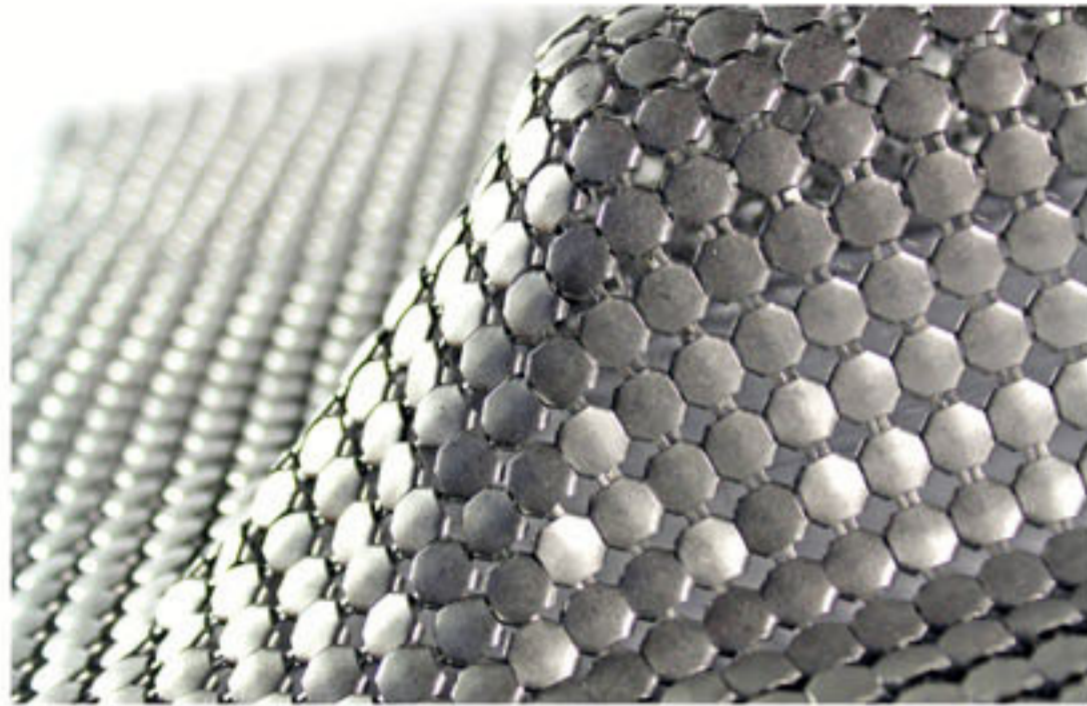
5.8 aluminium

Material: aluminium AlMg3

Scale Size: 5.80 mm

Weight: c. 1.50 kg / m²

Tensile Strength: c. 3.38 kN/m



Surfaces:

nature, polished, colored (transparent or varnish)

Mesh width ex works

width: 1.00 m - 3.00 m height: max 6.00 m

Further dimensions on request

2.5 aluminium

Material: aluminium AlMg3

Scale Size: 2.95 mm

Weight: c. 0.80 kg / m²

Tensile Strength: c. 18 N / Scale



Surfaces:

nature, polished, colored (transparent or varnish) Mesh

width ex works

Width: 0.60 m - 3.00 m height: max. 3.00 m

Further dimensions on request

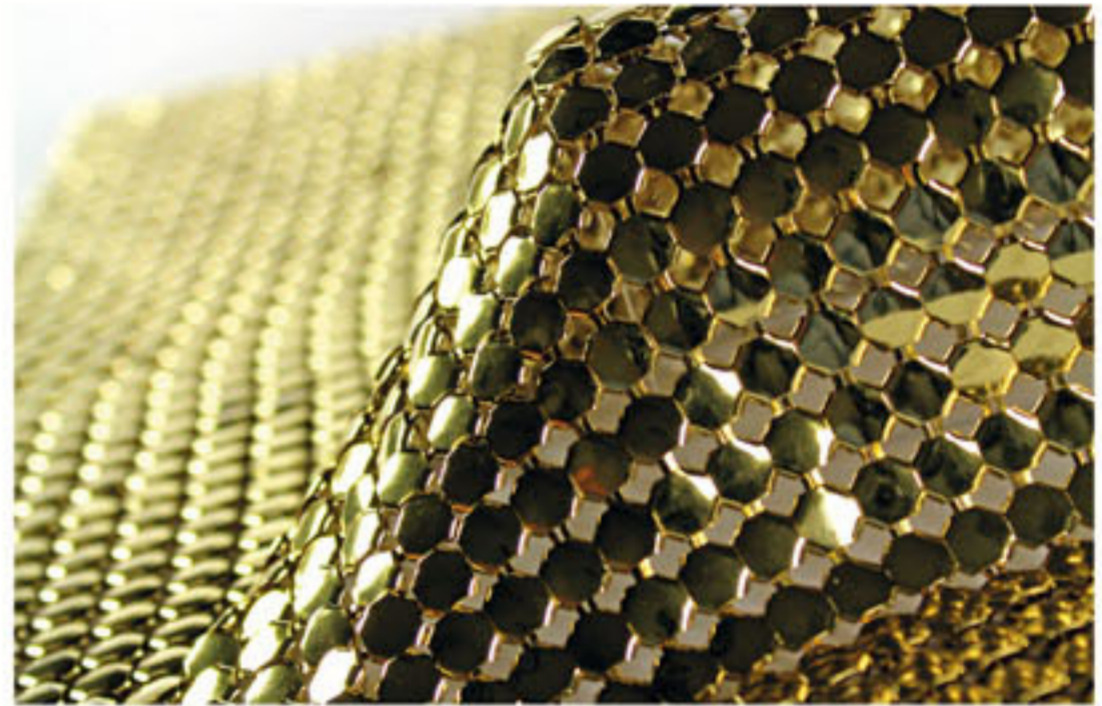
5.8 brass

Material: brass CuZn37

Scale Size: 5.80 mm

Weight: c. 3.40 kg / m²

Tensile Strength: c. 3.75 kN/m



Colours:



available in all RAL colours

2.5 brass

Material: brassbronze

Scale Size: 2.95 mm

Weight: c. 2.20 kg / m²

Tensile Strength: c. 32 N / Scale



Colours:



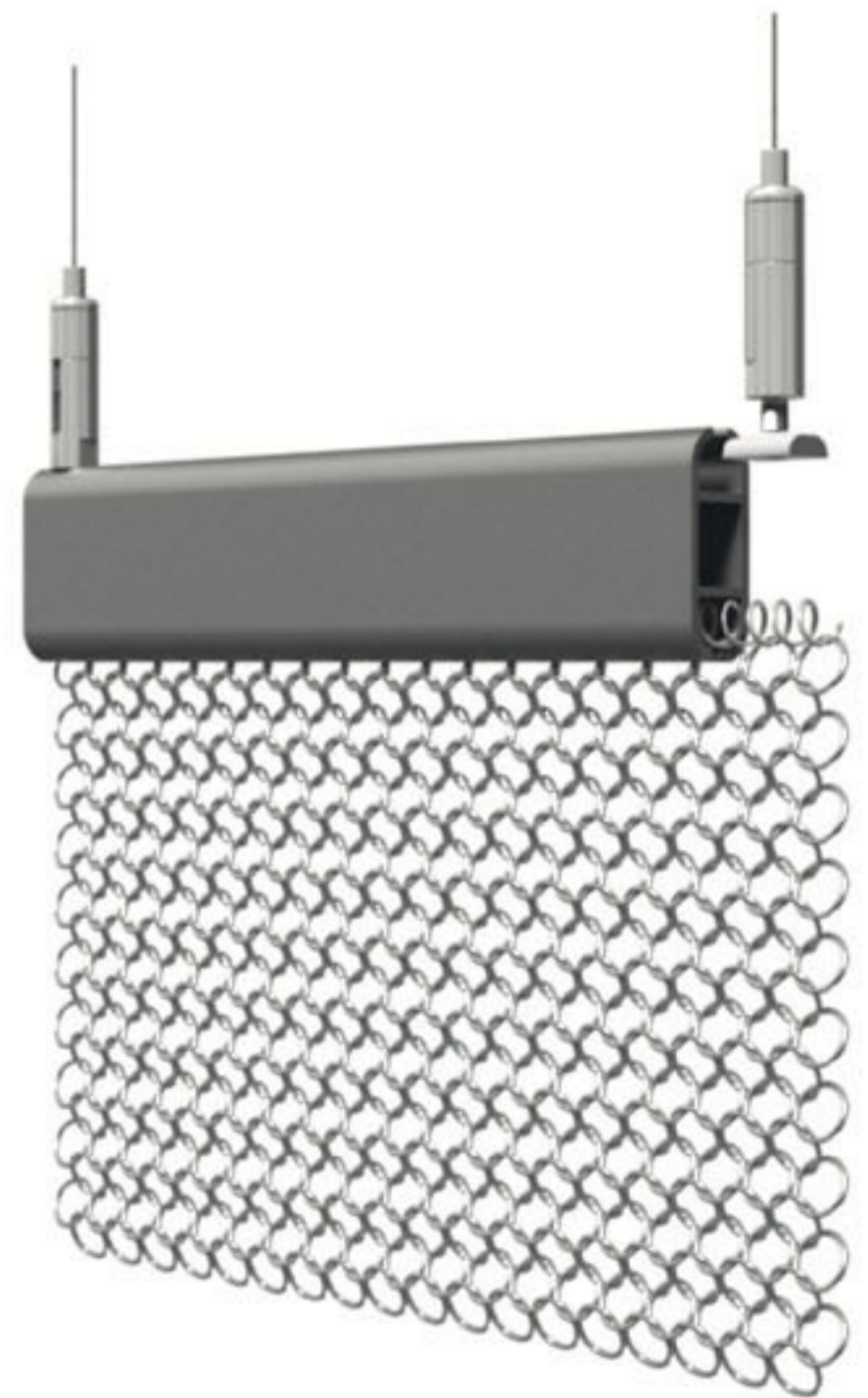
available in all RAL colours

Attachment and Installation

Ceiling installation with keder profile and round plate attachments



Wire cable hanging with keder profile



Tensile wall attachment with keder profile



Pull-across blinds with folding mechanism



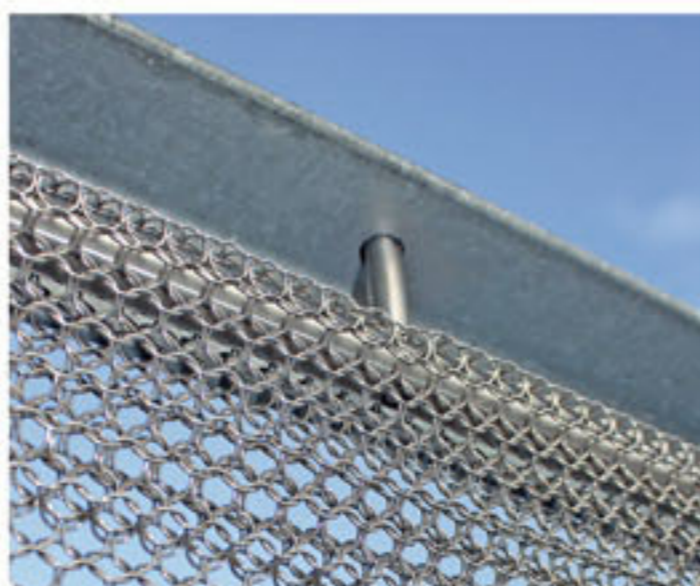
Meander curtains with shaft mounting



Stainless steel keder profile



Shaft fastening with edge stitch



Straight shaft fastening



A close-up photograph of a metal chain-link mesh. The mesh is composed of interlocking diamond-shaped links, creating a repeating pattern. The background is a soft, out-of-focus bokeh of various colors, including purple, blue, and yellow, which filters through the holes of the mesh. The lighting highlights the metallic texture and the three-dimensional structure of the links.

proMesh GmbH
In den Waldäckern 10 · 75417 Mühlacker · Germany
Tel: +49 7041 9544-60 · Fax: +49 7041 9544-55
www.alphamesh.de · info@alphamesh.de