



WORLD WIDE WEAVE

GKD: new metal mesh system solutions

Sustainably improving building performance

GKD – GEBR. KUFFERATH AG will present pioneering products, systems and processes for the sustainable improvement of building performance at the BAU trade fair in Munich from January 16 to 21, 2017. With these solutions, the internationally leading manufacturer of holistic metal mesh solutions fulfills the highest standards of design, convenience and safety. Colored meshes – whether printed, anodized, blasted or coated – offer excellent functionality and sensual appeal in one. Transparent MEDIAMESH® façades open up a new dimension of design in public spaces as a corporate architecture element. The innovative solar control mesh Omega Solar is made up of flat wires and combines two properties that are actually mutually exclusive: a high degree of both transparency and shading. Motorized roller shutters and doors made of metal mesh are an elegant yet also robust solution for a particularly broad range of applications. Moreover, CMP meshes bring peace and quiet to open-plan spaces in the form of ceiling systems and room dividers offering a high degree of acoustic effectiveness.

Colored meshes

Color lends character and life to architecture. Whether used in the foreground or background, to tone down the size of a building or element or to consciously place emphasis on a feature, it perfectly sets the stage for buildings and offers ever more new creative options for architects. Furthermore, it takes on an important role in urban environments as a mediator between people and space. This characteristic makes color a congenial partner to metallic mesh in the field of architecture. With its unparalleled range of processes, GKD offers planners virtually unlimited



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possibilities for modeling rooms with colored metal meshes. Complex graphics are for example applied to flat, dense mesh types using the screen printing technique. The high layer thickness makes mesh printed with this procedure ideal for use in outdoor applications. Through digital printing, it is even possible to portray photographs with fine color transitions for interior use. Aluminum wires anodized in a continuous process are a particularly proven solution in applications that require a low volume weight, such as CMP mesh for ceiling systems or large-scale façade elements. Flat or round wires made of stainless steel are permanently color-coated with special varnish in a continuous process, with the resulting powerfully bonded coating making the colored spiral or cable mesh durably bright and resistant to UV light and adverse weather conditions. During etching, graphical elements are blasted onto the smooth surface of dense mesh types. The surfaces modified in this manner are also permanently resistant to weather influences and UV radiation without needing any further treatment. Depending on the incidence of light and the viewing angle, the patterns can appear either transparent or opaque.

Transparent media façades

International fashion chains are currently adding a new chapter to the worldwide success story of the transparent media façade system MEDIAMESH®. One of the largest fashion companies in the world is equipping the façades of its flagship stores with mega displays to increase the emotional impact of its product spectrum for viewers. The MEDIAMESH® system has thereby made the leap into corporate architecture – an area that focuses on the visual identity of global companies.



Omega Solar

The innovative Omega Solar mesh type combines two seemingly irreconcilable properties: manufactured from overlapping, crimped flat wires, the mesh reflects the sun to a significantly higher degree than the proven Omega cable mesh. This allows it to offer a considerably higher degree of shading despite its high transparency.

Roller shutters and doors

Despite its delicate appearance, the stable metal mesh system prevents unwanted access and theft. Whether used as a night shutter for large display windows in shopping malls, as a roller door in underground parking garages or for partitioning off non-public areas in gastronomy or residential complexes: the complete system consisting of mesh, motor, guide rails, end profiles and wall switches guarantees safety and smooth running.

CMP mesh

Whether for designing high-quality grid-free ceilings without sagging or stylish room dividers: CMP meshes sustainably optimize room acoustics. The sandwich panels, which are made of aluminum honeycomb base plates with a laminated surface layer made of metallic mesh and an acoustic fleece as an intermediate layer, combine exceptional stability with an attractive visual appearance. A 25-millimeter-thick honeycomb supporting plate achieves sound absorption values of $\alpha_w = 0.9$ without any additional insulation material. Large panel formats reduce the number of joints and underline the monolithic effect of the CMP mesh installations through their butt joint design.



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**Visit GKD – GEBR. KUFFERATH AG
at BAU 2017 in Munich
January 16 - 21
Hall B2, Stand 100**

5.029 characters incl. spaces

GKD – GEBR. KUFFERATH AG

The owner-run technical weaver GKD – GEBR. KUFFERATH AG is the global market leader for metal and plastic woven solutions as well as transparent media facades. Under the umbrella of GKD – WORLD WIDE WEAVE the company combines three independent business units: SOLID WEAVE (industrial meshes), WEAVE IN MOTION (process belt meshes) and CREATIVE WEAVE (architectural meshes). With its six plants – including the headquarters in Germany and other facilities in the US, South Africa, China, India and Chile – as well as its branches in France, Great Britain, Spain, Dubai, Qatar and worldwide representatives, GKD is never far from its customers.

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