



WORLD WIDE WEAVE

GKD: breaking new ground in the field of façade and ceiling design

Metallic mesh systems for safety, solar management, medialisation and daylight control

With innovative systems for safety, solar management, medialisation and daylight control, GKD – Gebr. Kufferath AG is responding to pressing economic and energy-related requirements for planning sustainable buildings. At the BAU 2015 trade fair, to be held in Munich from 19 to 24 January 2015, the leading international manufacturer of metallic mesh will be presenting the latest developments from its base of operations in Düren, Germany. These set new standards in terms of forward-looking façade and ceiling design. Metallic mesh systems for controlling solar heat input – available as curtain elements, folding elements or façade covers – provide pioneering impulses for the most sophisticated architectural standards. Various LED technologies extend the implementation options of transparent media façades in both the outdoor and indoor arena. With the innovative Atlantic Glow high-gloss mesh, Silentmesh ceiling systems perform the additional function of redirecting daylight thanks to their high degree of targeted reflections. The presentation of the metallic mesh systems is rounded off with solutions for balustrades and roll-up curtains. When working with GKD, architects, building owners, planners and metalworkers receive complete systems from a single source – from consultation, through planning, mesh production and pre-assembly, all the way up to delivery.



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Woven solutions from GKD for controlling solar heat input have already proven their value with regard to sustainability, design and positive influence on indoor climates in sophisticated projects across the globe. The metallic meshes selected for each specific project combine natural daylight transmission with efficient solar protection in summer, while allowing heat to enter buildings in winter. Using an innovative roller shutter system made of Licorne spiral mesh, GKD will once again be demonstrating its leading innovative position at the BAU 2015 fair. These systems, which are up to 3.80 metres wide and manufactured from corrosion-resistant aluminium or stainless steel, optimise indoor climates throughout the whole year and control daylight transmission. Their excellent g-values in connection with glass also make a significant contribution to improving the energy efficiency and climatic comfort in buildings.

Robust roller end covers made of metallic mesh fulfil even the strictest requirements in terms of design, comfort, convenience and safety. In widths of up to eight metres, they protect shops, bars or counters from unauthorised access and combine rugged flexibility with stylish and sophisticated structures.

Transparent media façade systems from GKD help maintain the identity of architecture, while also granting those inside buildings unrestricted outward views. With two different LED technology options – six LEDs per pixel or SMD LEDs – GKD covers a broad spectrum of medialisation. The SMD solutions are not only available for indoor applications, but also for outdoor installations. All specially designed options combine exceptional image quality with very high luminance. A large number of new applications, such as the new airport in Doha, Qatar, the Cook Children's Hospital in Texas, USA or the BMW Experience Centre in Shanghai, China, underline the



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success being enjoyed by these systems. In Long Beach, California, the mesh was also used for a permanent art installation in a courthouse.

With the high-gloss Atlantic Glow mesh type, GKD is opening up new ceiling design opportunities for planners with Silentmesh systems. The highly reflective mesh can increase the amount of daylight entering a building and thereby help reduce energy consumption. The colour spectrum of the high-gloss polished aluminium mesh, available in light tones, serves to elegantly underline its modern design. As the latest addition to the range of acoustic ceilings, Atlantic Glow is available in two mesh densities: visually almost closed with an open area of just 3% to 5% or with an open area of 20%. The system is acoustically effective in both mesh density options.

4.214 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. Under the umbrella of GKD – WORLD WIDE WEAVE the company combines four independent business units: SOLID WEAVE (industrial meshes), WEAVE IN MOTION (process belt meshes), CREATIVE WEAVE (architectural meshes) and COMPACT FILTRATION (compact filter systems). With its seven plants – including the headquarters in Germany and other facilities in the US, Great Britain, South Africa, China, India and Chile – as well as its branches in France, Spain, Dubai, Qatar and worldwide representatives, GKD is never far from its customers.



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