



WORLD WIDE WEAVE

GKD: A treat for the eyes and ears

Composite (CMP) metallic meshes bring tranquillity to restaurants

First impressions count – not just in human interactions, but in our environment too. Visual and acoustic information influences our well-being and contributes significantly to how comfortable we feel in our current location. Hence, besides excellent food and attentive service, feeling at ease is a particularly important aspect of a successful dining experience. A truly pleasant and inviting atmosphere is created through a design that harmonises aesthetics and acoustics. In this respect, SILENTMESH acoustic ceilings made of metallic mesh from GKD – Gebr. Kufferath AG offer a variety of possible applications. They combine tailor-made visual and functional properties to create impressive interior designs in restaurants, bars and canteens. CMP mesh can also be used as acoustically effective partition elements, combining the extraordinary aesthetics of the mesh structure with highly effective sound absorption – perfect for room-in-room concepts. That is why SILENTMESH acoustic panels work particularly well in restaurants, providing a treat for both the eyes and the ears.

Feeling at ease in any space is influenced, consciously or subconsciously, by the atmosphere. Besides the visual appearance, lighting and climate, the acoustics also make a vital contribution. Often in modern architectural and room concepts with smooth, hard materials and open structures, the price paid for visual appeal is poor acoustics. If the sound absorption is not appropriate for the room size and shape as well as the specific surfaces, the general noise level increases and communication is impeded. Gourmets



wanting to indulge in all the delights of culinary art will find a loud, reverberating room an unpleasant distraction. A tranquil, comfortable atmosphere, on the other hand, is conducive to contentedness and enjoyment – so, besides delicious cuisine and attentive service, these are prerequisites for a welcoming atmosphere in any restaurant. Discussions at the next table, commotion at the serving counter, the clattering of dishes and sound from the bar area make restaurants inherently noisy. This kind of noise level combined with a lack of acoustic planning make it difficult to hold a conversation with your fellow diner, and the desired relaxation is replaced by stress. Creating pleasant room acoustics is therefore one of the key tasks in establishing a high-end dining establishment. To adapt the acoustic quality of a restaurant in order to create the desired relaxing ambience, designers develop room concepts that use a balanced proportion of reflecting and absorbing materials.

Decorative acoustic ceilings

SILENTMESH metallic mesh acoustic ceiling systems from GKD play a key role in this respect. These tried and tested sound-absorbing ceiling systems permanently optimise the room acoustics and are also an eye-catching decorative feature. Available in a wide selection of formats and systems, they open up a range of design options that meet the very highest standards when it comes to visual appearance and functionality. The metal mesh panels can optionally be equipped with highly effective sound absorption mats or acoustic fleece, thus reducing reverberation and improving speech intelligibility. This range of room acoustic solutions also provides improved room lighting in combination with the Atlantic Glow mesh type. These highly reflective mesh panels help transport daylight and thereby also contribute to the well-being of the guests. Their extraordinary appearance – shiny silver or



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anodised in soft champagne tones – gives any room an unmistakable identity.

Peaceful thanks to room dividers

Where thermally activated concrete ceilings, glass roofs or the desire to keep the original ceiling visible preclude the installation of suspended ceilings, CMP meshes make stunning room dividers and offer acoustic efficiency. These composite elements are comprised of an aluminium honeycomb supporting plate with a surface layer made of selected meshes and an intermediate layer consisting of acoustic fleece. They combine the exceptional stability required of such a construction with a really stylish look. Up to four metres long and 1.25 metres wide, they allow for unlimited creativity. Moreover, they bring structure the visual openness of large rooms, whether free-standing or grouped into individual bays. The quiet areas they create provide space for undisturbed conversations and privacy. Furthermore, panels covered on both sides with CMP mesh also contribute greatly to the sound-absorbing effect, ensuring overall optimisation of the room acoustics. The 25 millimetre thick honeycomb plate – or alternatively, 12 millimetre thick CMP meshes are available – achieves an excellent sound absorption value of $\alpha_w = 0.90$ without any additional insulation material. They thus create the best conditions for ensuring a pleasant quality of stay, even in modern hotel lobbies or atriums. Whether in restaurants, stylish canteens or lobbies, the multifaceted aesthetics and acoustic efficiency of SILENTMESH acoustic ceilings and panels open up an almost unlimited range of applications for both designers and builders. Easy to assemble and modify, they are the perfect, high-quality all-rounders for refurbishment, renovation and modernisation projects. Cut-outs can be made in the factory to allow easy integration of lighting or sprinklers into the ceiling systems. A virtually unlimited service life, constructional stability and minimum



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maintenance round off the performance spectrum of these shimmering metal beauties.

5.649 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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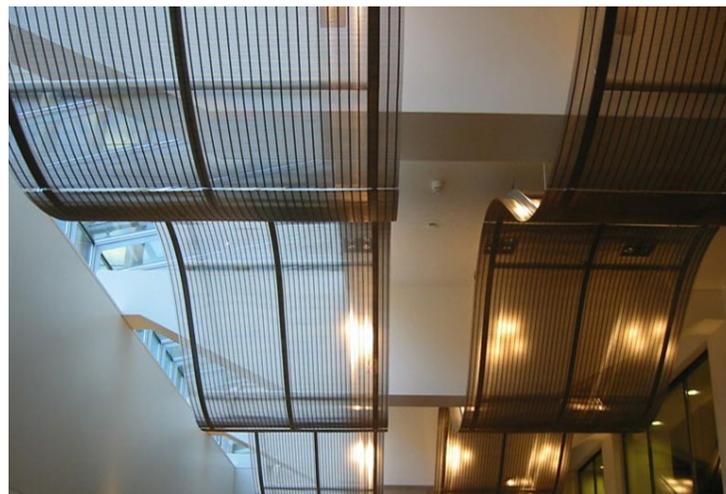
Picture 1: Stunning room dividers of CMP meshes by GKD: They are comprised of an aluminium honeycomb supporting plate with a surface layer made of meshes and an intermediate layer consisting of acoustic fleece.



Picture 2: The range of room acoustic solutions for restaurants also provides improved room lighting in combination with the Atlantic mesh type.



Picture 3: The extraordinary appearance of the mesh type Atlantic – shiny silver or anodised in soft champagne tones – gives any restaurant an unmistakable.



Picture 4: Available in a wide selection of formats and systems the acoustic ceilings of metallic mesh by GKD open up a range of design options that meet the very highest standards when it comes to visual appearance and functionality.

Picture 1 - 3 © GKD/Thomas Holtkötter
 Picture 4 © GKD/metallpfister
 Picture 5 © GKD/Thomas Holtkötter
 Picture 6 - 7 © GKD
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Picture 5: Cut-outs can be made in the factory to allow easy integration of lighting or sprinklers into the ceiling systems.



Picture 6: A virtually unlimited service life, constructional stability and minimum maintenance round off the performance spectrum of these shimmering metal beauties.



Picture 7: These highly reflective mesh panels from type Atlantic Glow help transport daylight and thereby also contribute to the well-being of the guests.

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Picture 8: Room dividers of CMP meshes by GKD convince with acoustic efficiency and aesthetic.



Picture 9: Whether free-standing or grouped, the room dividers bring structure the visual openness of large rooms and enable undisturbed conversations.



Picture 10: Whether in restaurants or lobbies: The multifaceted aesthetics and acoustic efficiency of SILENTMESH acoustic panels open up an almost unlimited range of applications for both designers and builders.

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