



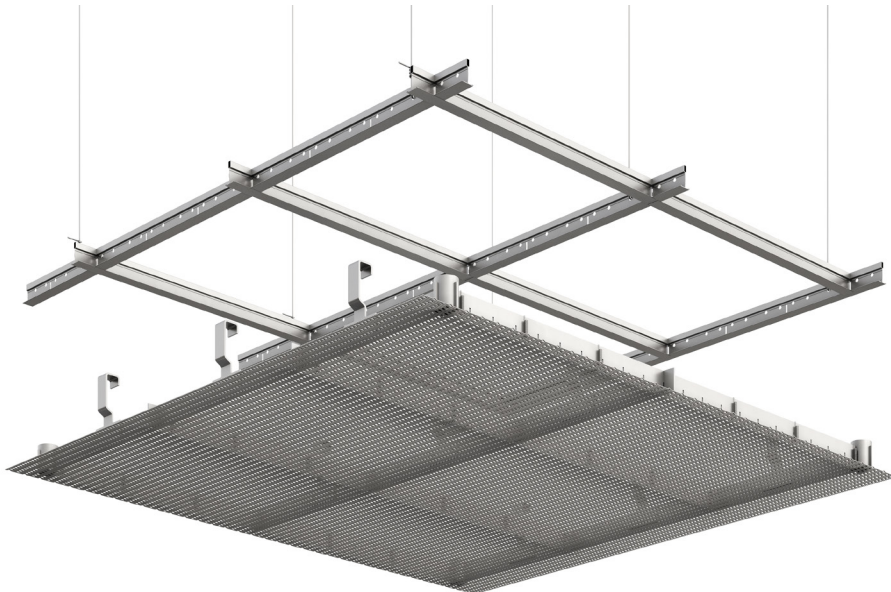
SILENTMESH + SYSTEM

for architectural
metal fabrics

The new modular ceiling system

Benefits at a glance

- ◆ Uses industry standard grid components
- ◆ Pre-fabricated in-house with shop drawings included for installation
- ◆ Facilitates "Monumental" ceiling design
- ◆ Can be combined with many GKD architectural metal fabrics
- ◆ Can be combined with acoustic fleece
- ◆ Suitable for both small and large rooms



Greater flexibility for suspended ceilings

With this SilentMesh+ ceiling system, GKD offers architects a new ceiling design and construction option. For the first time ever, architectural metal fabrics for suspended indoor ceilings can now be assembled and fitted in GKD's workshop or directly on site.

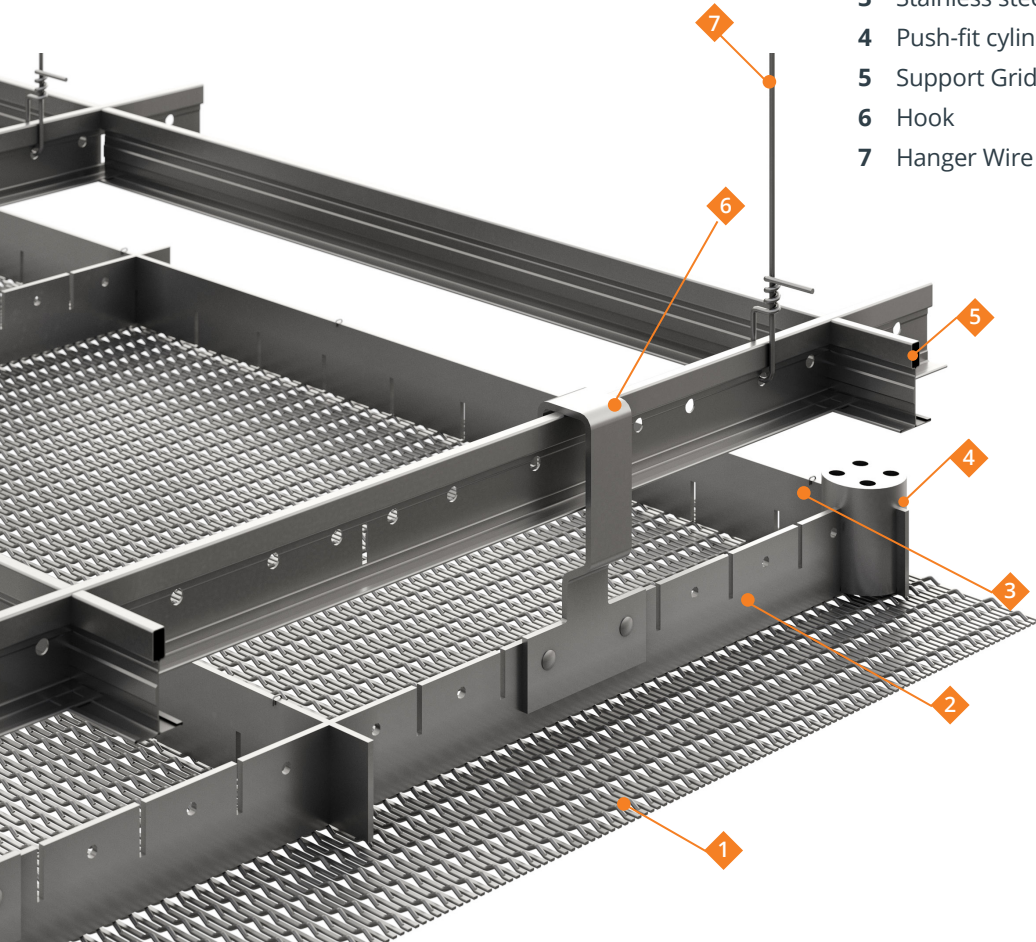
The SilentMesh+ ceiling system also offers impressive new aesthetic possibilities. In combination with the popular architectural metal fabric from GKD, the substructure remains nearly invisible. This draws attention to the surface texture of the fabric panels while ensuring a distinct and clean interior ceiling design.



Frame and components

The modular ceiling system and its components

- 1 Metal Fabric of choice
- 2 Frame profile
- 3 Stainless steel spring
- 4 Push-fit cylinders
- 5 Support Grid
- 6 Hook
- 7 Hanger Wire



Support Grid and Modular Panel Components

The support grid (5) uses a standard grid system and hanger wire (7) to support the modular panels. The modular panels consist of Metal Fabric of choice (1), Frame profiles (2), stainless steel springs (3), Push-fit cylinders (4) and hooks (6) which are all pre-assembled at GKD's factory and shipped to the site ready to be hung on the standard grid system (5) which is supplied by GKD but installed by others.

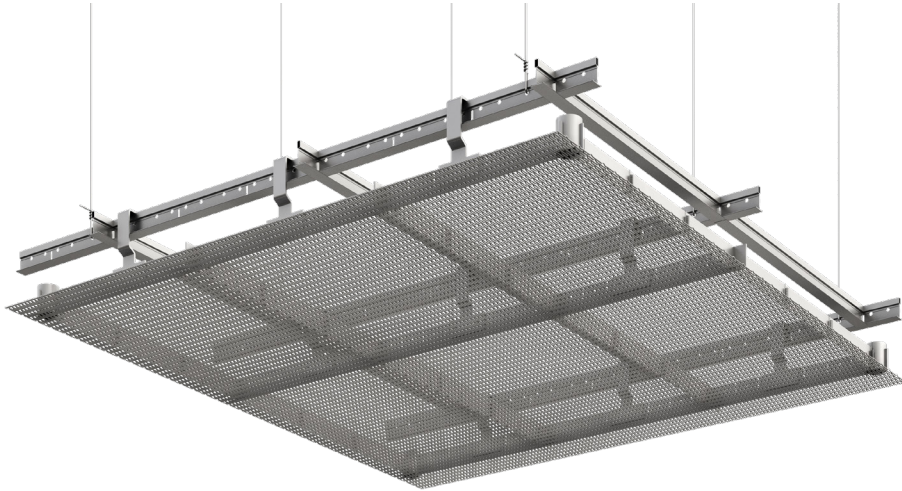
The rigid metal fabric (1) is held in place on the frame profiles (2) using fine stainless steel springs (3) which are spaced at approximately 1.6'. The frame profiles (2) typical spacing is approximately 1.6' as well. Otherwise, the fabric can potentially sag.

To connect the hanging system to the standard commercial suspended ceiling (5), hooks (6) are attached to the frame profile (2) at the requisite spacing and then hooked into a profile of the substructure provided on site. The individual ceiling elements should be installed with a gap of at least 1 inch to ensure smooth fitting and removal.

Our recommendation

- ◆ Maximum recommendation for panel sizes is 4 ft x 6 ft*
- ◆ For improved room acoustics, if desired, we can provide an additional acoustic fleece

**Larger, custom panels available*



Materials and fire safety

The modular ceiling system is produced from non-flammable materials such as aluminum and stainless steel for the profiles, hooks, and pop rivets. The springs are produced from stainless steel. The non-supporting push-fit cylinders are produced from PC/ABS with UL94 V-0. UL94 is a standard of the US-based Underwriters Laboratories for testing the burning characteristics and fire safety of synthetic materials. The "V" refers to the standard's most demanding test procedure, during which the fire behavior of the sample is tested vertically. The number "0" is awarded to those products that meet the requirements of the best class.

Range of colors

GKD's architectural metal fabrics are available in many colors. With our in-house painting capabilities, we can bring any color to life.

For any aluminum products, GKD can anodize our metal fabric with a range of colors that are featured below.



GKD Silver



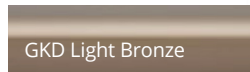
GKD Champagne



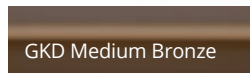
GKD Gold



GKD Silver Bronze



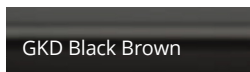
GKD Light Bronze



GKD Medium Bronze



GKD Dark Bronze



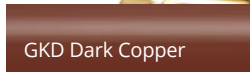
GKD Black Brown



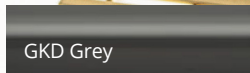
GKD Light Copper



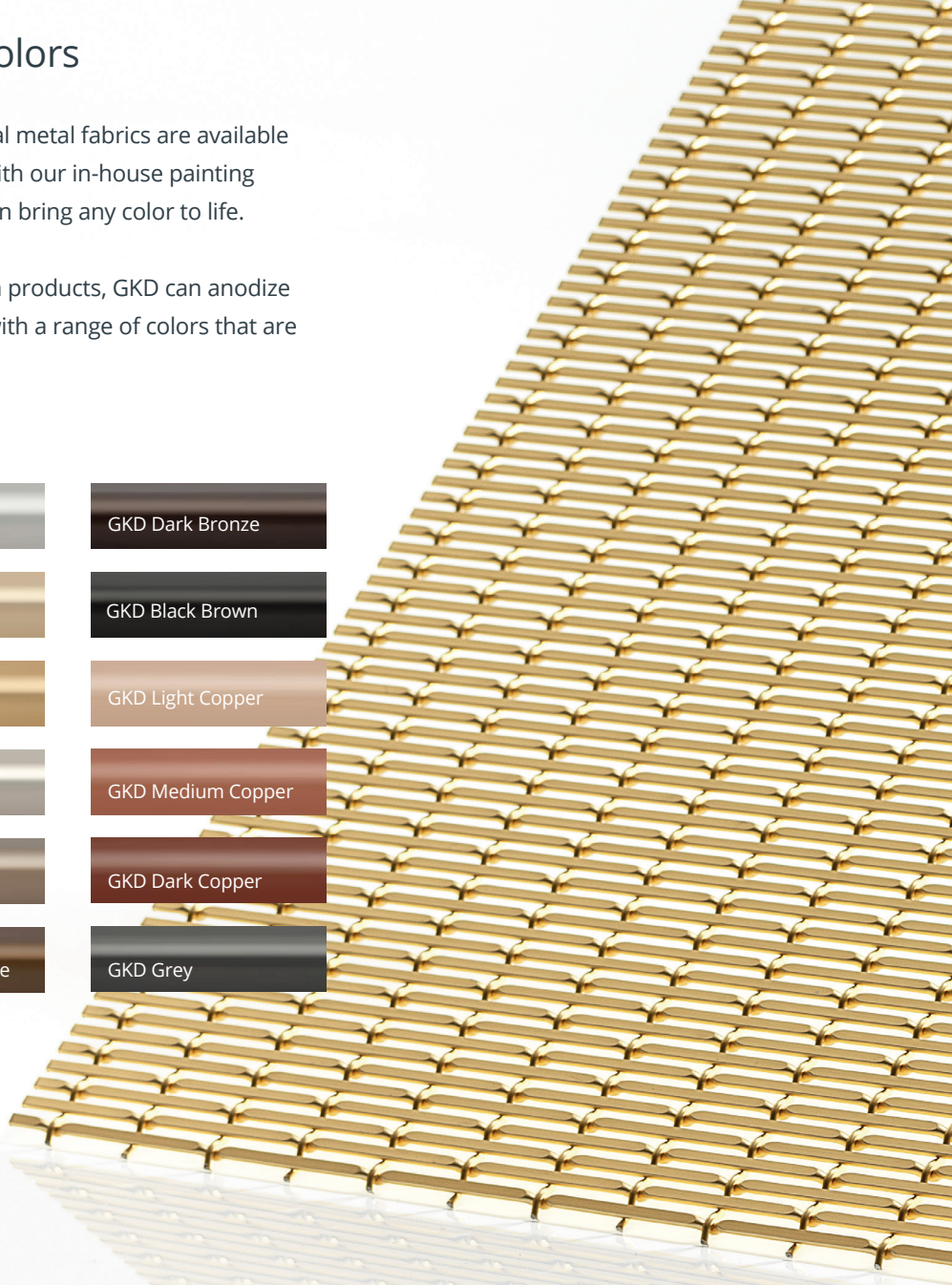
GKD Medium Copper



GKD Dark Copper



GKD Grey





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