



吸音装饰系统 | 吸音装饰挂板
Sound-absorbing decoration system | Sound-absorbing wall

Sound-absorbing wall

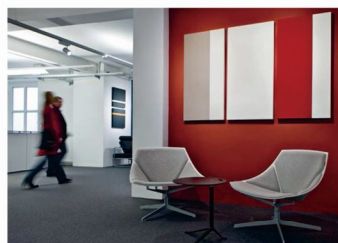
A system full of possibilities

More than just the sum of excellent properties, COLOR FIELDS is a system full of possibilities. Possibilities to audibly improve interior spaces, without having to make concessions in flexibility when individually designing them. The textile-covered panel family comprises a wide variety of formats, individual designs, and a large spectrum of color combinations. These aspects, together with excellent functionality through the modular system, enable the panels to be installed relatively easily. The numerous compositions possible help create inspiring, uniquely designed interior spaces. Make impressive visual statements, while enjoying the maximum in acoustic efficiency.

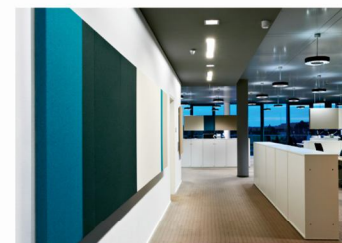
一个完整的系统优点可能远远大于所有元素优秀特性的总和。吸音装饰系统的色彩搭配是个充满无限可能性的色彩世界。有时我们可以依赖吸音装饰系统色彩来改善室内空间的设计及创作。我们纺织面料的色彩多样化，给个性化设计提供了多元化的颜色组合。加上模块标准化的设计功能，使色彩面板结合拼接相对容易。可以帮助设计师创造出尽可能多鼓舞人心、独特的室内空间设计。让我们的吸音系统不仅在空间声学里发挥响作用还让空间的色彩令人产生深刻印象和视觉感受。



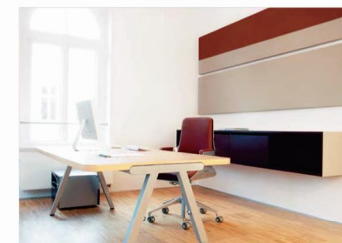
Application show | 应用展示



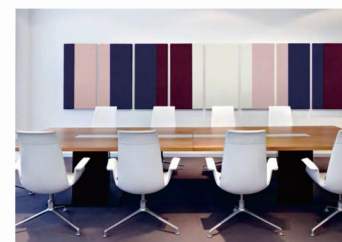
01 公共区域
Public area



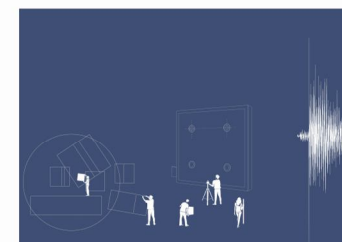
02 开放工作区域
Open work area



03 独立工作室
Independent studio



04 会议区域
Meeting area



05 应用指南
Leitfaden guide

Sound-absorbing wall

01 Public area application | 公共区域应用

01

Public area application

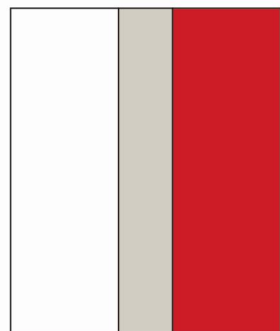
公共区域

01

Sound-absorbing wall



Sound-absorbing wall



色彩模块
Color module





色彩模块
Color module





色彩模块
Color module

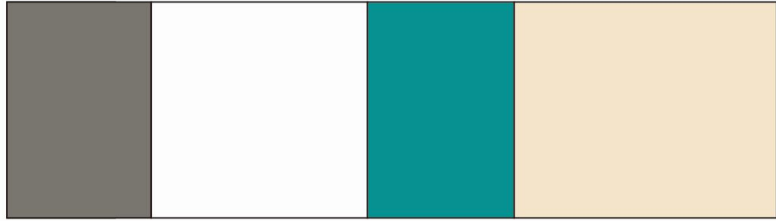




色彩模块
Color module



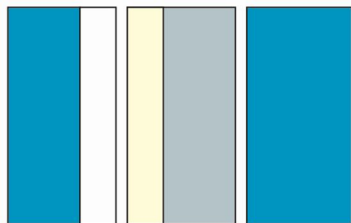
Sound-absorbing wall



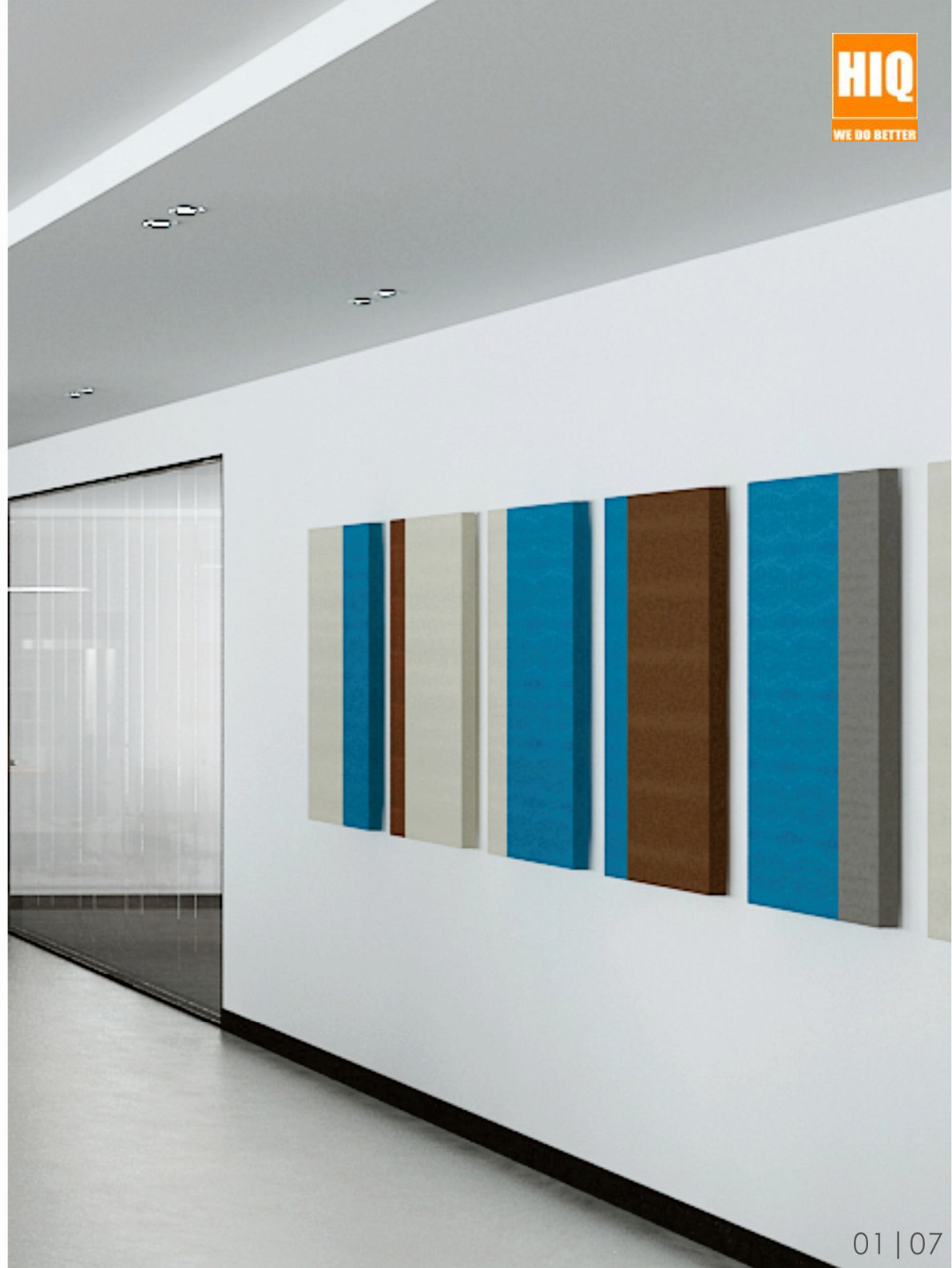
色彩模块
Color module



Sound-absorbing wall



色彩模块
Color module



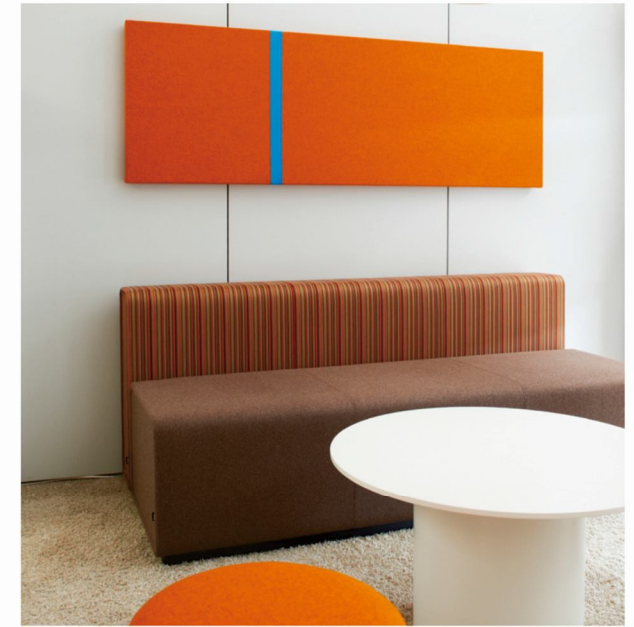


色彩模块
Color module





色彩模块
Color module



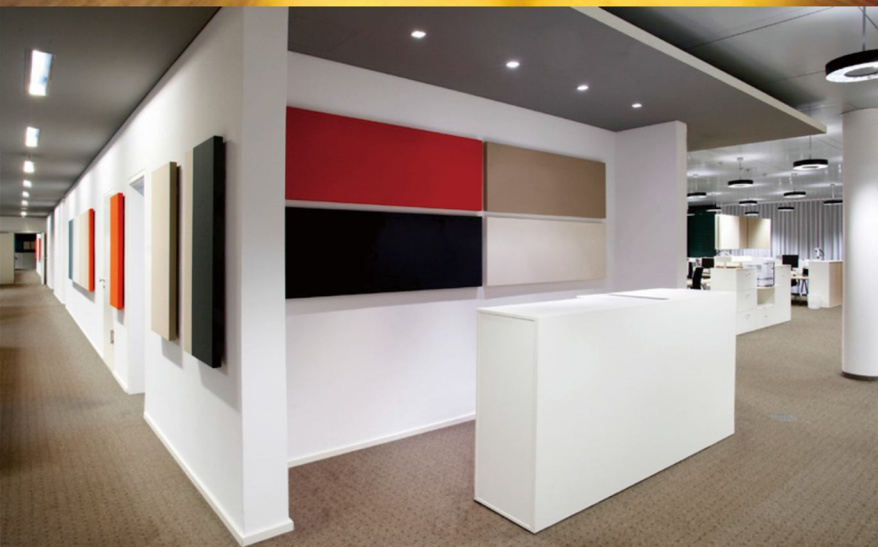


色彩模块
Color module





色彩模块
Color module



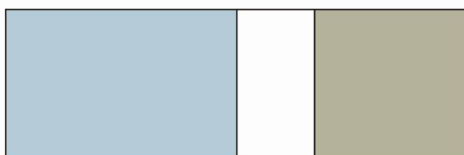
Sound-absorbing wall



色彩模块
Color module



Sound-absorbing wall



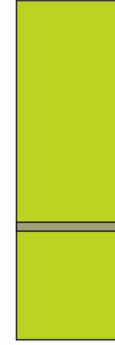
色彩模块
Color module



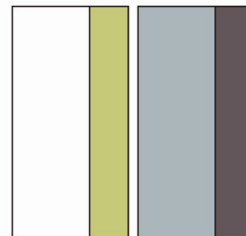


色彩模块
Color module





色彩模块
Color module



色彩模块
Color module



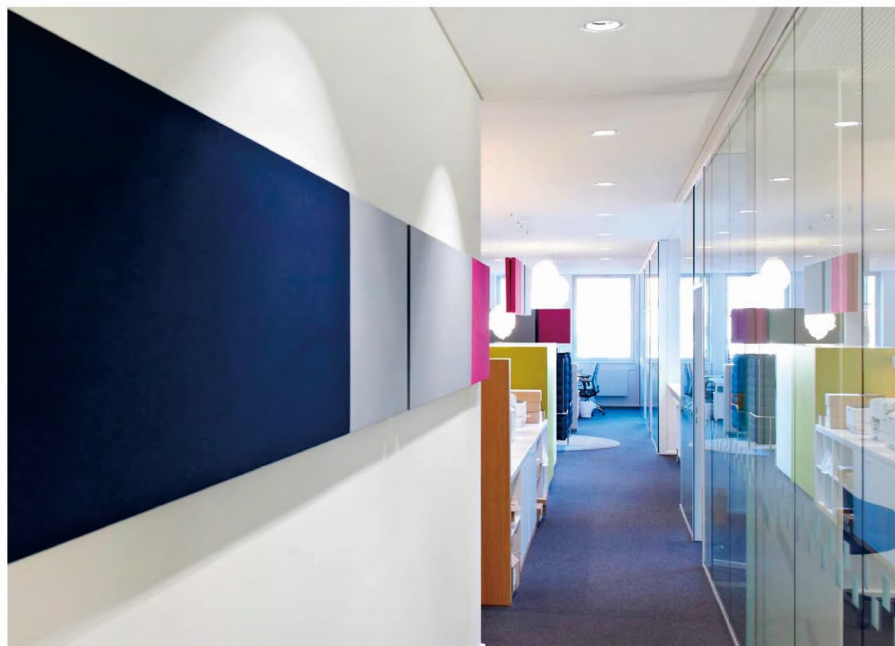
Sound-absorbing wall

02 Open work areas | 开放工作区域

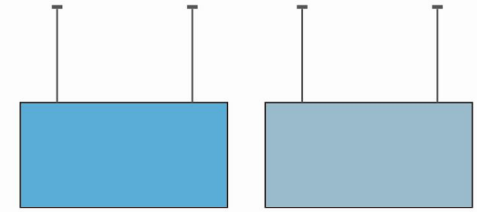
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Open work areas

开放工作区域



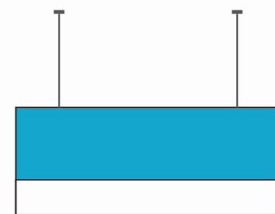
Sound-absorbing wall



色彩模块
Color module



Sound-absorbing wall



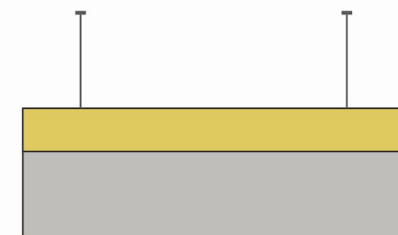
色彩模块
Color module



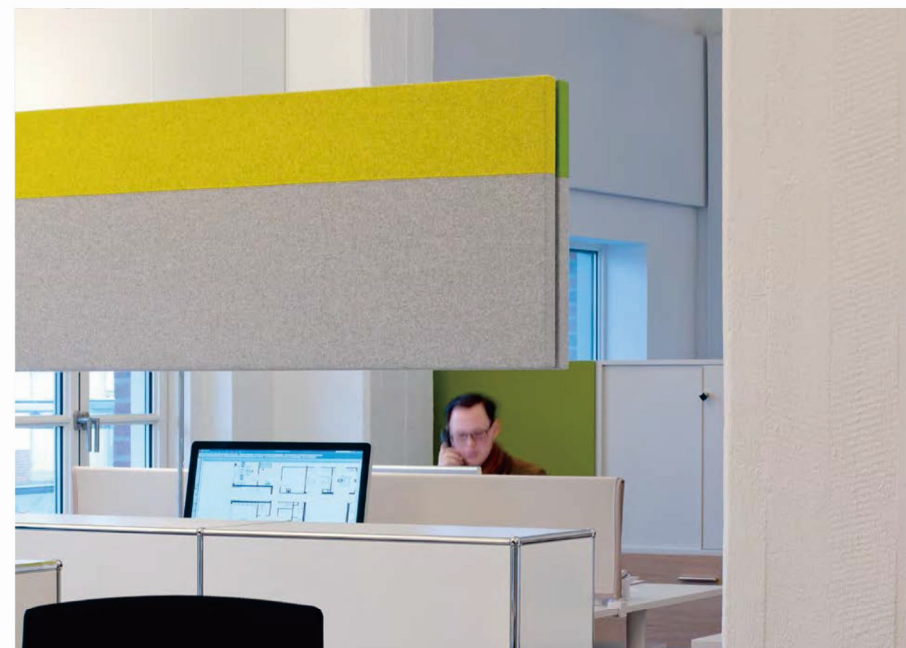


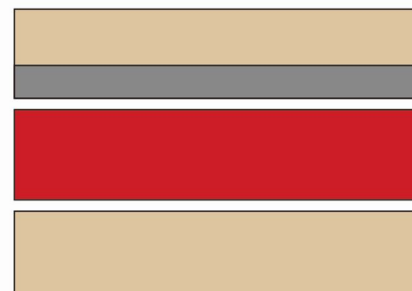
色彩模块
Color module





色彩模块
Color module





色彩模块
Color module



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Sound-absorbing wall

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03 Independent studio | 独立工作室

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03

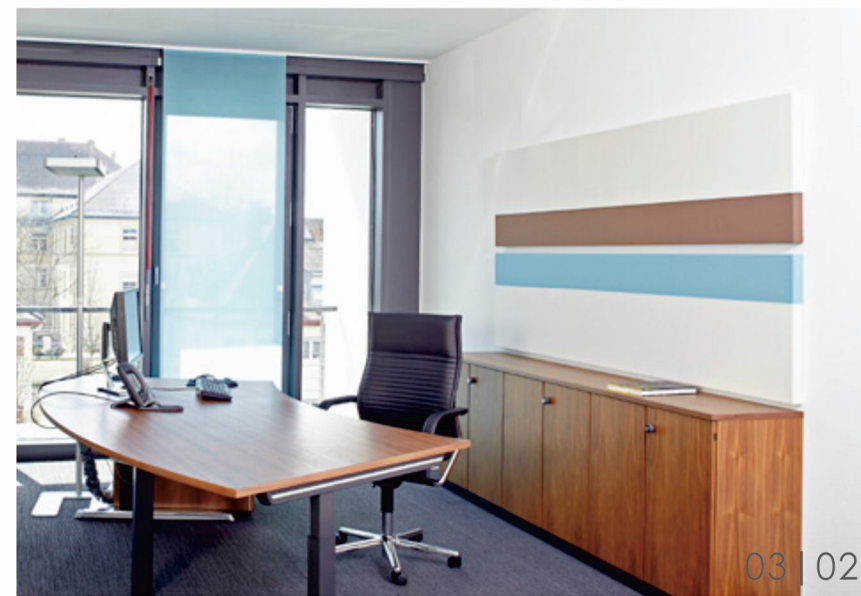
Independent studio

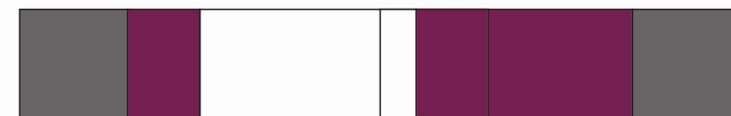
独立工作室



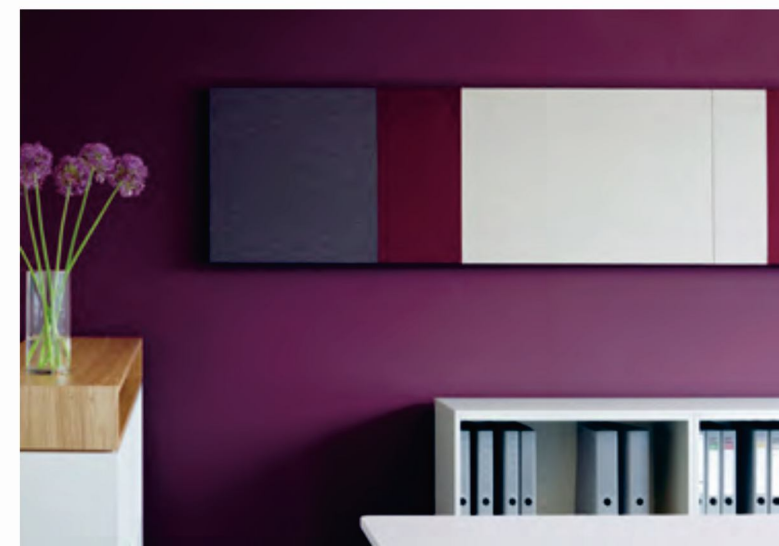


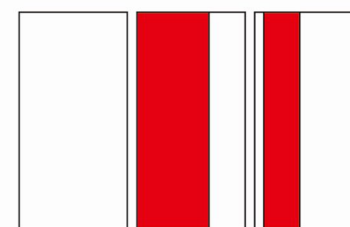
色彩模块
Color module



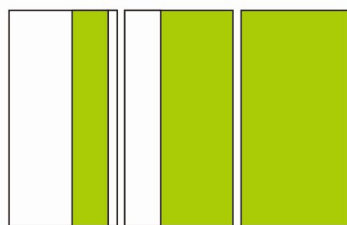


色彩模块
Color module





色彩模块
Color module

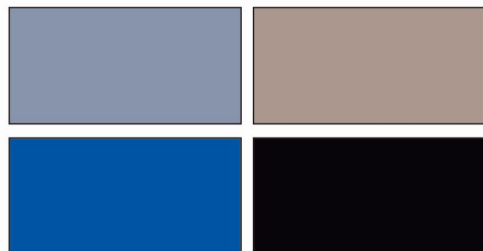


色彩模块
Color module



03

Sound-absorbing wall



色彩模块
Color module



Sound-absorbing wall

04 Meeting area application | 会议区域应用

04

Meeting area application

会议区域应用



Sound-absorbing wall



色彩模块
Color module

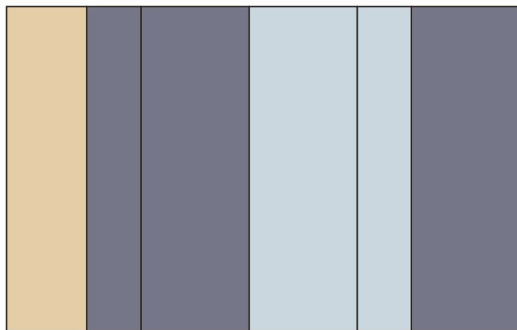




色彩模块
Color module

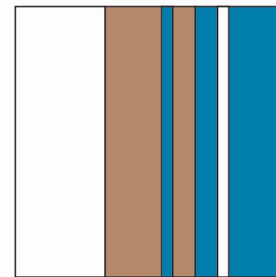


Sound-absorbing wall



色彩模块
Color module





色彩模块
Color module





色彩模块
Color module



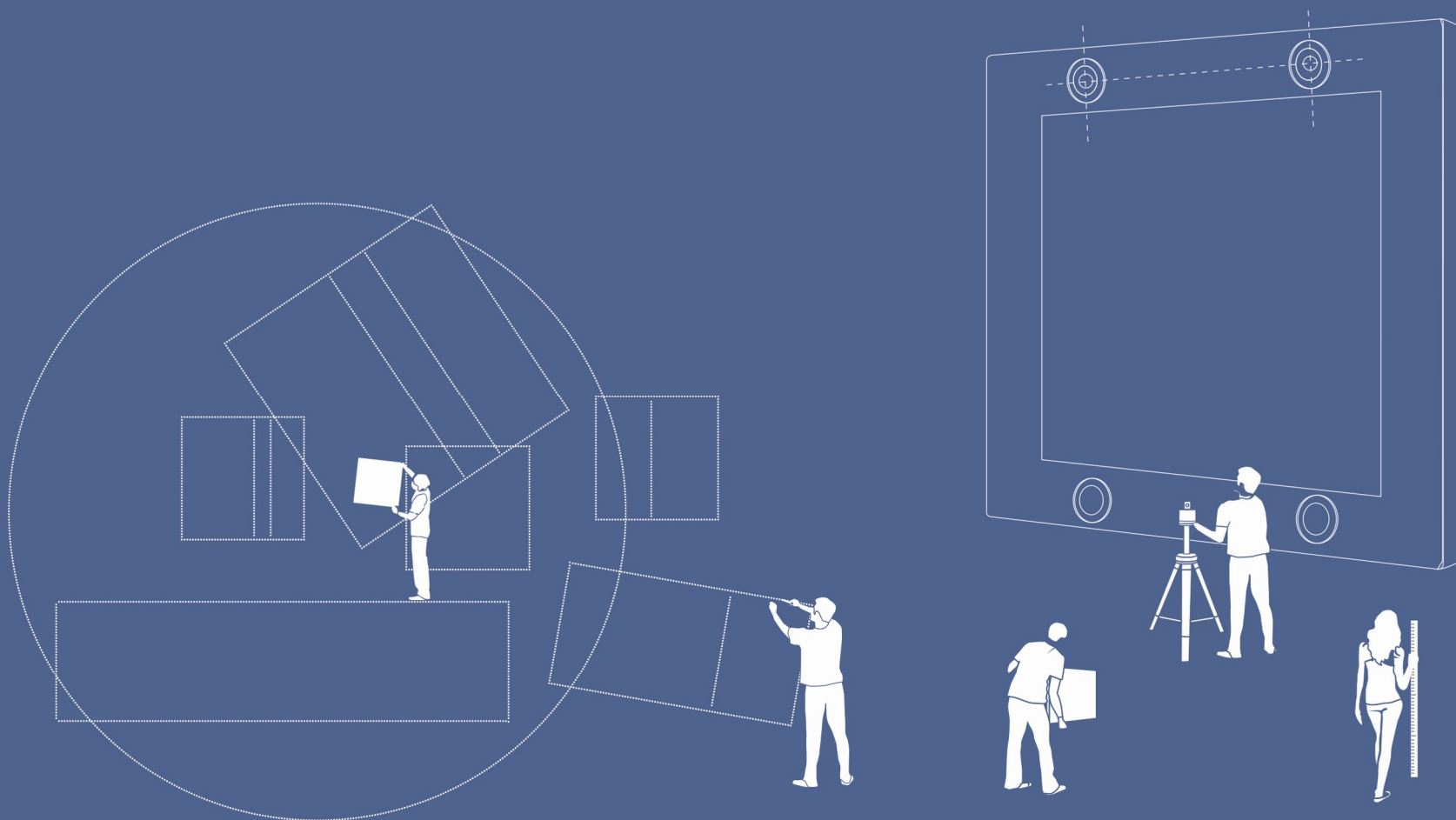
Sound-absorbing wall

05 Leitfaden guide | 应用指南

05

Leitfaden guide

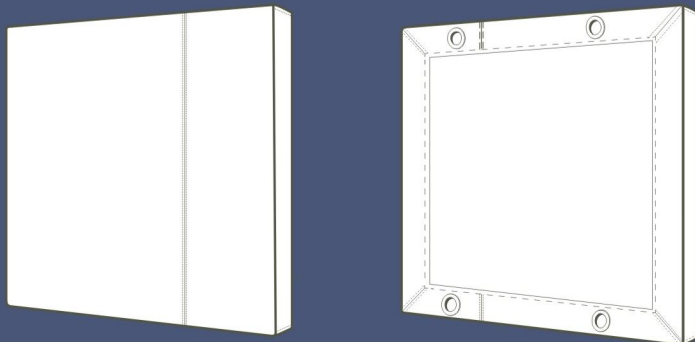
应用指南



Sound-absorbing wall

Facts and figures

事实和数据



Beautiful 美观

Geometrical image of modular design combined with the wool of colour profusion, Combining with the design theme, it can active space and bring vigor and vitality to office space.

模块化的几何图像设计与色彩缤纷的羊毛组合，结合设计主题，活跃空间，给办公空间带来生机与活力。

sound-absorbing 吸音

The quality of the office working condition is a large extent depending on the noise interference influence. And the office noise mainly comes from the following aspects:

1. Office noise: talking, walking, and noise from telephone and other office equipment;
2. Noise from the inside construction;
3. Noise from the outside of the construction.

These sources of noise are not eliminated. Sound absorbing decoration products are specifically design for effectively reducing the office space noise. Through the design and application of joining our module in space sound-absorbing decoration to create a comfortable office space.

办公空间工作条件的质量在很大程度上决定于噪声干扰的影响，办公室噪声来源主要有以下几个方面：

1. 办公噪声：谈话、走路和电话机等各种办公设备发出的声音；
2. 建筑内部设备产生的噪声；
3. 建筑外部传来的噪声。

这些噪声源头都是无法消除的。我们的吸音装饰类产品就是专门针对有效的降低办公空间噪音而设计的，通过在空间加入我们模块化吸音装饰的设计和应用营造舒适的办公空间。

Type of panel 面板结构

The one-sided acoustic panels are made of a highly-effective acoustic core with a concealed frame, four openings integrated into the back side, and hand-stitched virgin wool fabric covering both the front and sides.

单面的吸音墙饰是由一个非常有效的隐藏框架来作为声学核心，将四个开口集成到背面，其正面和侧面由手工缝制的纯羊毛织物。

Greenguard 绿色环保

Environmental protection is Uispair company long-term constant pursuit, the company of environmental protection also is not just about the definition of the plant through the ISO9000, ISO14000, OHSAS18001 system authentication, the product through the European Union official EU Flower ecological label certification.

环保是优思佩公司长期不变的追求，公司对环保的定义也不仅仅在于工厂通过ISO9000、ISO14000、OHSAS18001的体系认证，产品还通过欧盟官方的EU Flower生态标签认证。

Fire resistance 阻燃性

BS EN 1021-1 & 2 Cigarette & Match BS 7176 Low Hazard.

BS EN 1021 - 相比1 - 2个香烟 BS 7176低风险

05-2

Sound-absorbing wall



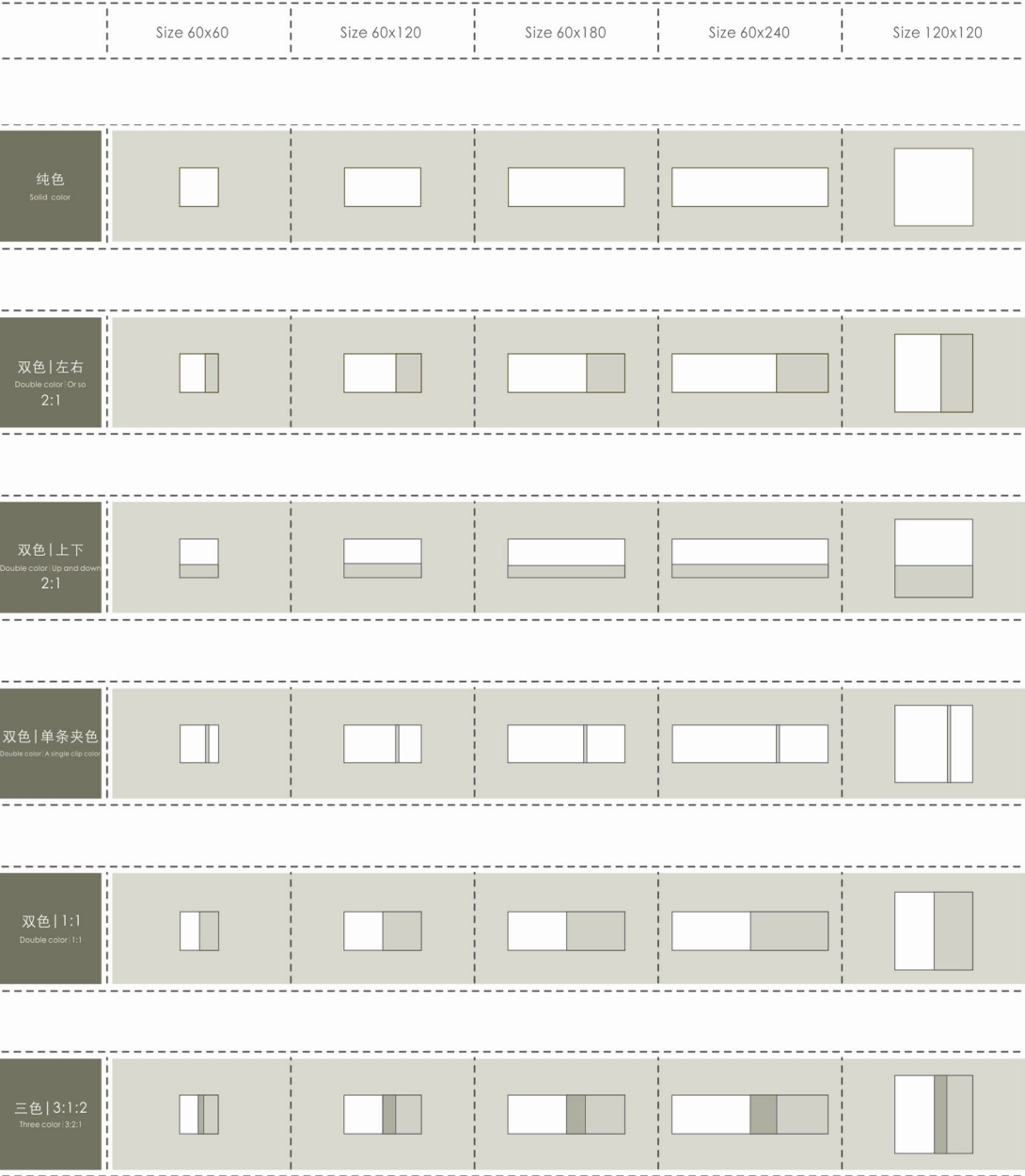
The module 模块

Size and weight 尺寸和重量

60x60	59,7x59,7x4,5 cm	5 kg
60x120	59,7x119,7x4,5 cm	10 kg
60x180	59,7x179,7x4,5 cm	15 kg
60x240	59,7x239,7x4,5 cm	20 kg
120x120	119,7x119,7x4,5 cm	20 kg

Panel designs 面板设计

- Solid color:
single-tone design 单色调设计
- Left and right:
two-tone design , combined vertically in a ratio of 2:1.
双色调的设计，以比例为2:1纵向结合。
- Up and down:
two-tone design, combined horizontally in a ratio of 2:1.
双色调的设计，以比例为2:1水平结合。
- A single clip color:
two-tone panel with one 5 cm wide vertical stripe.
一个5厘米宽的纵向条纹双色面板。
- 1:1:
two-tone design, combined vertically in a ratio of 1:1.
双色调的设计，以比例为1:1纵向结合。
- Three color:
three-tone design, combined vertically in a ratio of 3:1:2.
三色调的设计，以比例为3:1:2纵向结合。



Sound-absorbing wall

The principle 原理

Colors 颜色

There are 41 kinds of colors can be choose in the series of Blazer, but the non conventional fabric of Sprint series have only 14 kinds being choosed.
Blazer 系列有41种颜色可选择，其它非常规面料Sprint系列有14种颜色可选择。



COLOR FIELDS is a combination system full of potential, thanks to the interplay between different formats, traditional designs, and a unique variety of colors. The panels can stand on their own or be mixed and matched with others from the collection to create an entirely different effect.

由于有不同的格式，传统的设计和一个独特多样的颜色，使色彩领域成为一个充满潜能的组合系统。色板可以用本身或是混合其它完全匹配的集合来创建一个完全不同的效果。

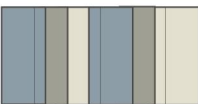
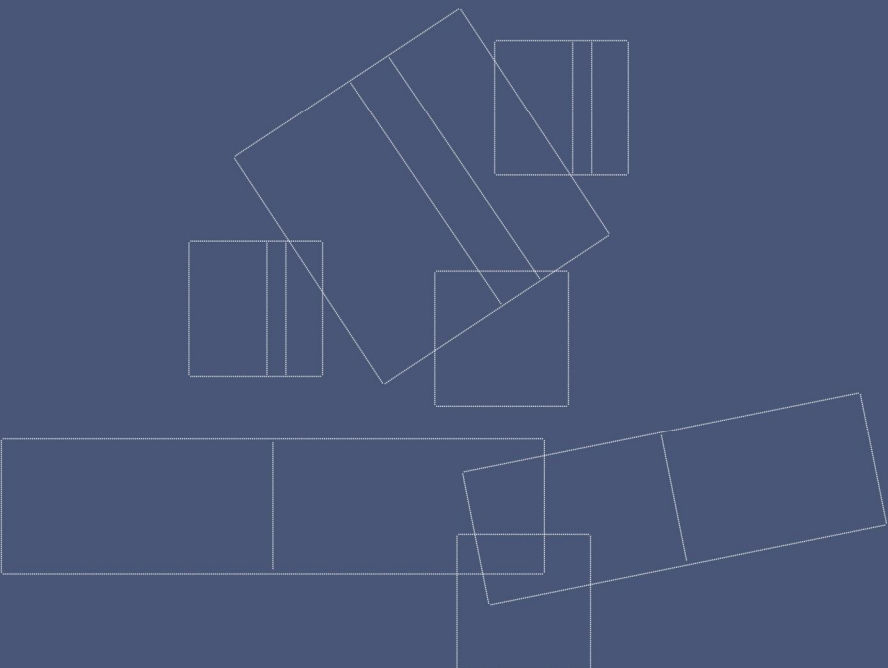


Sound-absorbing wall

Color combination 色彩组合

COLOR FIELDS is a textile-covered design system that offers numerous options, giving you the chance to be creative. Color plays a major role in the process. And color works best when you combine the different colors, which is a major asset of the COLOR FIELDS range. On the following pages, our color design experts have compiled a few examples of the possibilities to combine colors intended to inspire you.

色彩搭配方面我们的吸音墙饰可提供许多选择的，能给你机会去创造，用不同纺织面料的不同的颜色设计出不同感觉的空间。而我们的吸音面料颜色在这个过程中起着重要的作用。让你结合不同的颜色特点，在搭配设计中让色彩能发挥其最重要的作用。在以下的内容里，我们的色彩设计们编了几个最有可能激励你的色彩组合。



6 panel combination: MONO 60x180 /
DUO 2 60x180 / DUO 2 60x180 / MONO 60x180 /
DUO 2 60x180 / MONO 60x180



5 panel combination: MONO 60x120 /
DUO 1 60x120 / DUO 1 60x120 / MONO 60x120 /
DUO 1 60x120



3 panel combination: DUO 2 60x240 /
MONO 60x240 / MONO 60x240



4 panel combination: 4x MONO 60x180



2 panel combination: 2x DUO 1 60x120



1 panel combination: TRIPLE 60x180



9 panel combination: 9x MONO 60x60

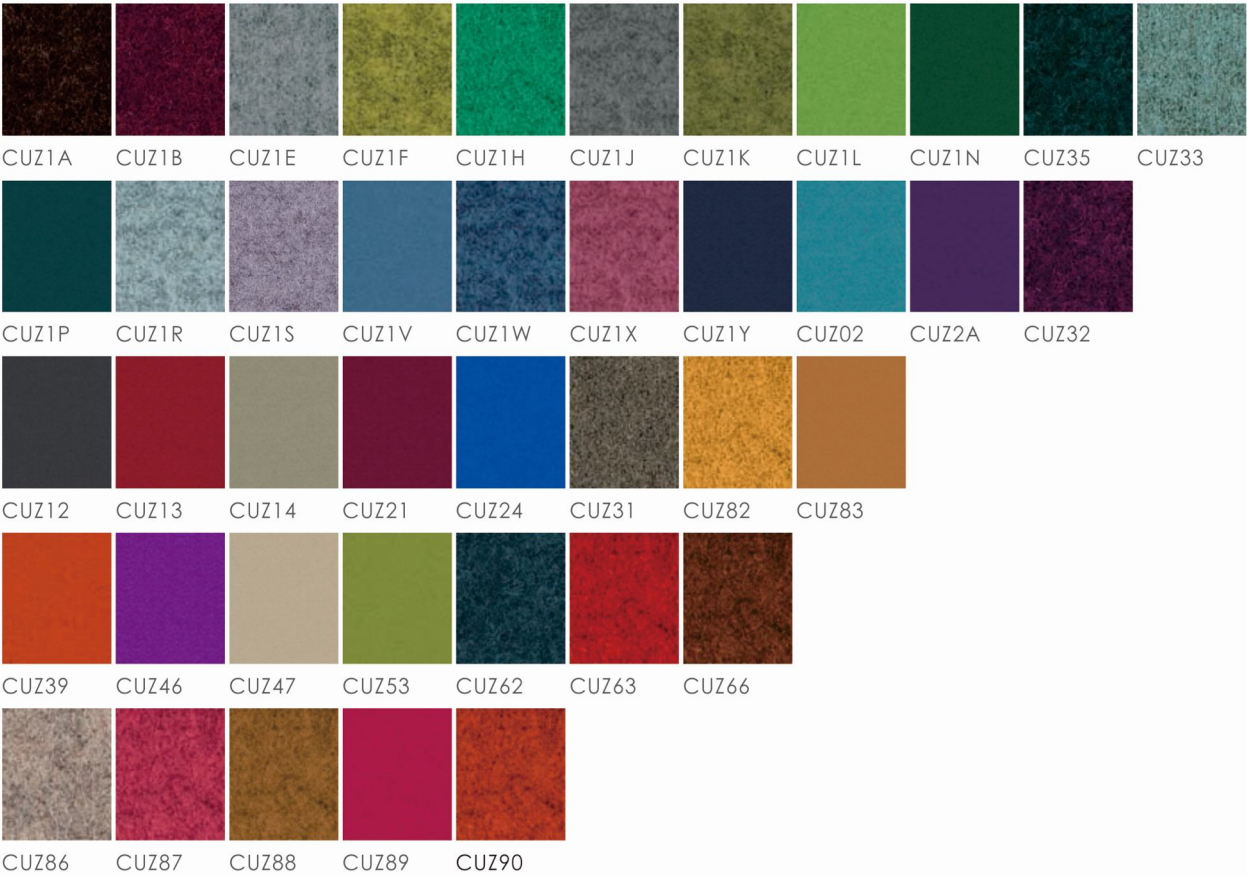


4 panel combination: 4x DUO 1 60x120

combinable colors / 可以化合的颜色

GOLDEN ORANGE	COGNAC BROWN	SEASHELL BEIGE MEL	WOOL WHITE
SAND GREY	SAPPHIRE BLUE MEL	CLASSIC BLUE	ICE GREY MELANGE

Regular inventory color 常规色彩



The fabric 面料

Conventional fabric is Blazer wool is a class.

常规面料Blazer羊毛系列。

Blazer Fabric quality and Regular inventory color

Blazer 面料特性和常规库存色。

Fabric quality 面料特性

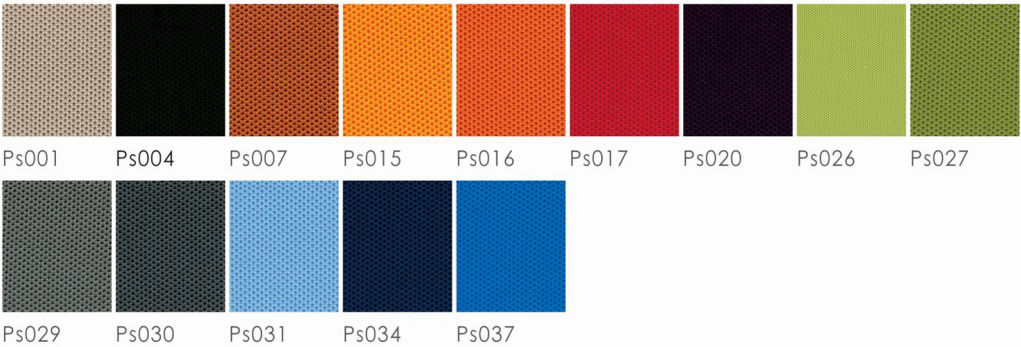
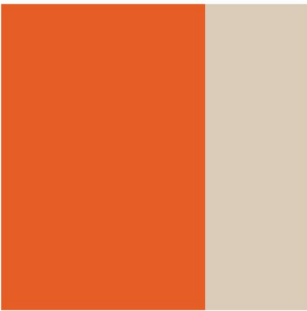
Blazer100 % use the top New Zealand Laneve™ wool, is the only New Zealand wool with traceability, also is natural and renewable modern popular fabric.

Blazer100%采用新西兰最高端的Laneve™羊毛，是新西兰唯一具有可追溯性的羊毛，也是纯天然和可再生的现代流行面料。

Sound-absorbing wall



Regular inventory color 常规色彩



The fabric 面料

Sprint conventional fabric series
常规面料Sprint系列。

Sprint Fabric quality and Regular
inventory color .

Sprint 面料特性和常规库存色。

Fabric quality 面料特性

Sprint is a elastic knitted polyester fabrics, smooth Honeycomb structure and the characteristics of can stretch garment, as Polyester fabrics, Sprint has good stretching. beautiful Color and high wear resistance, make the fabric more Give prize.

Sprint是一款弹性针织涤纶面料，平滑的蜂窝结构以及可以多向拉伸的特性，作为涤纶面料，Sprint有很好的伸展性。漂亮的颜色和超高的耐磨性，使这款面料更加出彩。

05-7

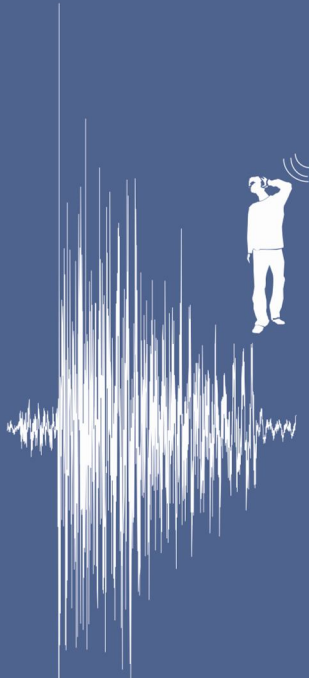
Sound-absorbing wall

Sound-absorbing sex

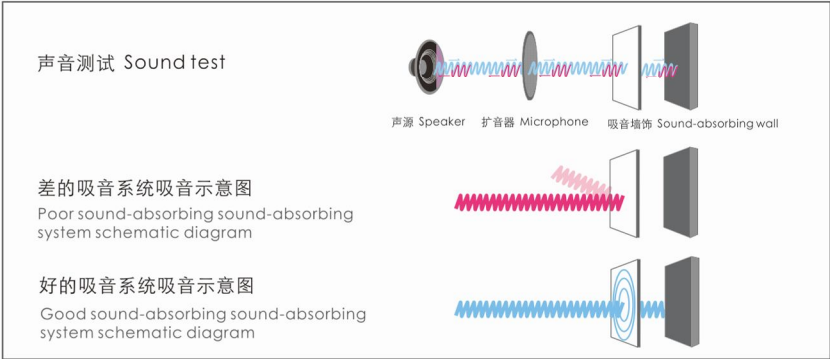
吸音性

Sound-absorbing wall panels are highly efficient in reducing the long reverberation times in rooms. They feature excellent acoustic barrier characteristics and can be implemented in a wide range of applications. The system stands for excellent broadband absorption properties featuring a certified class-A sound absorption coefficient. As well, the panels are effective over a particularly broad range of frequencies and have been inspected in an echo chamber. They are certified according to DIN EN ISO 354 by the accredited Institute for Acoustics at the Lübeck University of Applied Sciences, thus acting as a guarantee of noticeable improvement in the acoustic properties of a room and in the ability to concentrate and learn.

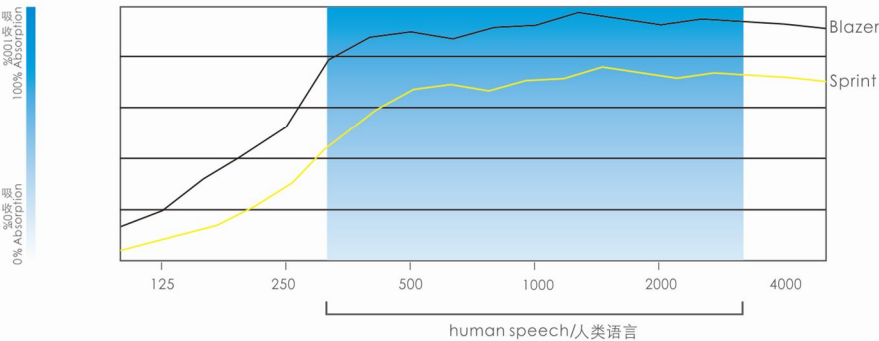
在空间里，吸音墙饰在减少空间噪音具有很长时间的效率。它们具有良好的声音屏障特性，且可以在一个空间范围里广泛的应用并得到实现。该系统代表了优秀广泛的吸音系列产品的特性，且通过A级吸声系数的认证。同样面板在一个特别广泛的频率中应用是有效的，并已在回声室里检测。他们得到应用科学吕贝克大学在声学中的DIN EN ISO 354认可机构的认证，而这可以作为在空间的声学性能明显改善和在集中学习能力中的一个保证。



Sound-absorbing different sound-absorbing effect comparison system schematic diagram
好坏吸音系统不同吸音效果对比示意图



Class-A broadband absorber system for acoustic applications
甲级宽带声学吸收器系统的应用程序



Hz
low frequencies/低频 high frequencies/高频率

Weighted sound-absorption coefficient
权威的吸音系数

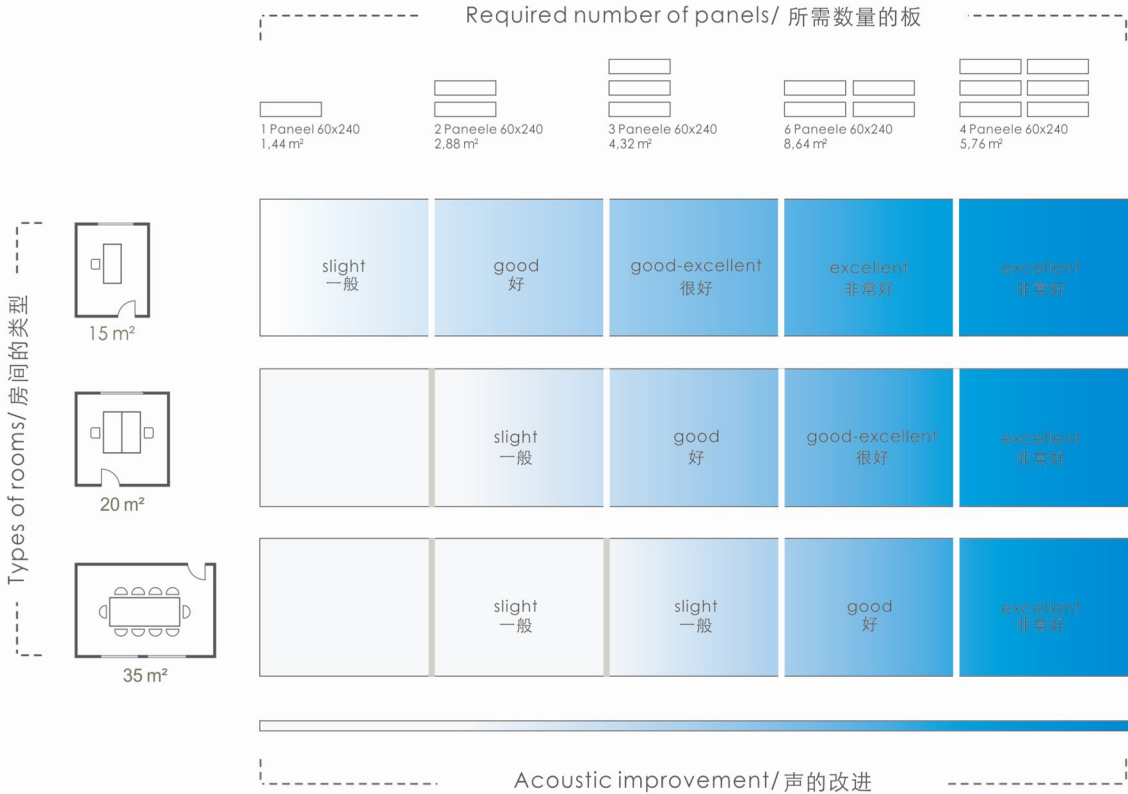
Sound-absorption coefficient – Select frequency ranges:
吸声系数,选择频率范围:

315 Hz: 0,79
500 Hz: 0,90
1250 Hz: 0,98
2500 Hz: 0,95
3500 Hz: 0,94

Use planning 使用规划

The Acoustic Planner will help to determine the number of panels required to improve the acoustics of your room. Take this arrangement as a starting point for creating an effective setup using acousticpearls panels. The table is based on the equations established in DIN 18041. For the table here, the reverberation times of each different type of room were calculated.

声学规划将有助于确定您空间所需的吸音板的数量提高您的房间的吸音效率。这样安排使用吸音面板，可作为创建有效设置的出发点。该表是根据DIN 18041中建立的方程。在这里，可以计算出每个不同类型的空间的达到不同程度要求所需吸音墙饰数量。



Types of rooms 房间的类型

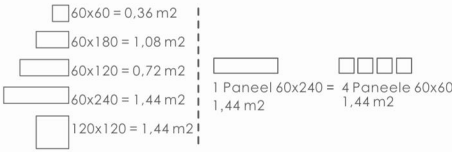
As a guide we have provided three different types of rooms (small, medium,large) with a maximum size of 35 m2 and a ceiling height of approximately 2.7 m. The properties of each room are always the same: primarily soundreflecting materials (hard floors, smooth walls, a ceiling with poor acousticqualities, glass surfaces, few pieces of furniture). 作为指导，我们提供了三种不同类型的房间（小，中，大型），其最大尺寸为35平方米，上限高度约为2.7米。每个房间的性质总是一样的：主要是声音反射材料（硬地板，光滑的墙壁，声音质量很差的天花板，玻璃表面和其他附属设施）。

Acoustic improvement 声的改进

Using the categories "slight", "good", "excellent", you can select the level of improvement for the acoustics of the room and determine the necessary number of panels in the proper combination. The "excellent" category corresponds to the DIN 18041 recommendation for ideal room acoustics. 您可以选择使用类别“一般”，“好”，“很好”的水平对房间音响的改进和确定适当的面板数量组合的必要性。对应DIN 18041的“很好”类被推荐于理想的声学空间中。

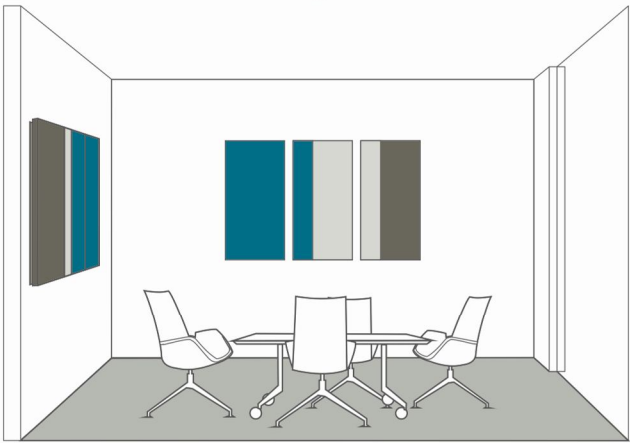
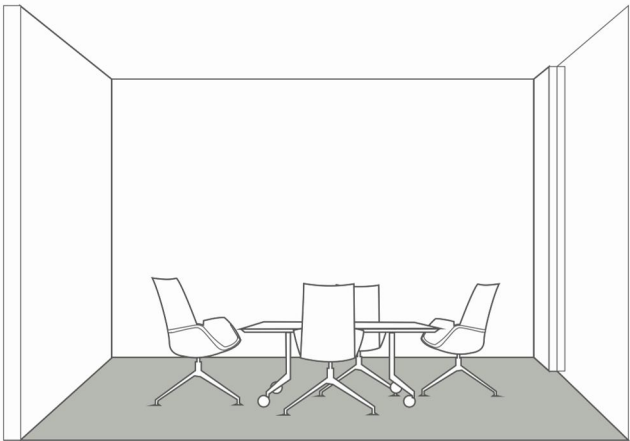
Required number of panels 所需面板的数量

Panels measuring 60x240 have been established as a basis for each level of improvement. It is the minimum number of panels required for the specific level of improvement in each type of room. The options shown here can be varied with the corresponding number in other sizes. The effectiveness of a 60x240 panel corresponds to four 60x60 panels. 测量数为60x240尺寸的面板已确立为每个级别的基础改进。它是每一类房间的改善程度所需的特定面板的最小限度。这里显示的选项可以随着其他大小的相应数量的而变。一个有用的60x240面板可对应四60*60的面板。

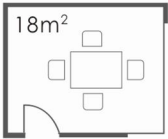


Sound-absorbing wall

Simulation applications 模拟应用



STEP1 Select your type of room 选择您的房间类型



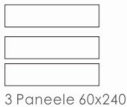
Select your type of room from the three sizes provided in the Acoustic Planner.
从声学规划的三种规格中选择您的房间类型。

STEP2 Define the desired acoustic improvement 定义所需的声学改进



Select a category of acoustic improvement from the acoustic planner. The "excellent" category corresponds to the DIN 18041 recommendation for ideal room acoustics.
从声学规划中选择一类声学改进。“很好”类对应推荐DIN 18041理想的房间声学。

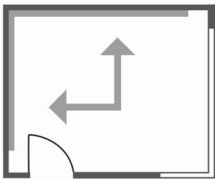
STEP3 Tally the number of panels required 符合要求的面板数量



3 Paneele 60x240

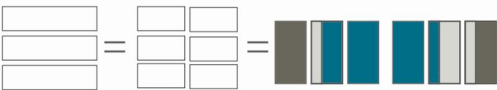
It is the minimum number of panels required for the specific level of improvement in each type of room.
它是每一类房间改善要求所需的最小特定的面板数目。

STEP4 Determine the placement within the room 确定房间内的位置



Decide where you want to place the panels.
决定你想把面板放在哪里。

STEP5 Design your combination of panels 面板的设计组合



Design your specific arrangement based on the minimum number of panels needed and the amount of available wall surface.
基于最少数量的面板和可用的墙表面去设计你的具体面板的安排。

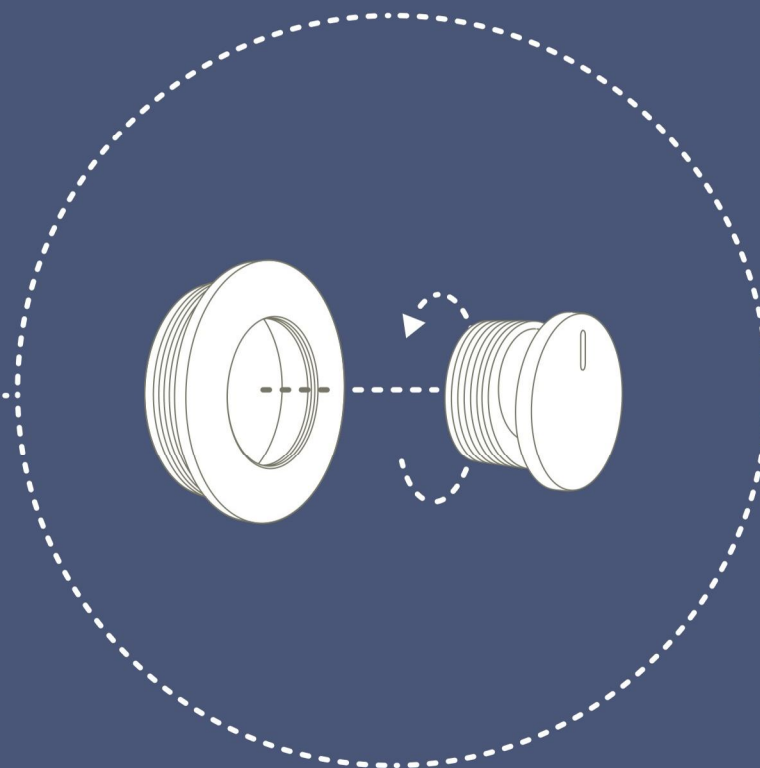
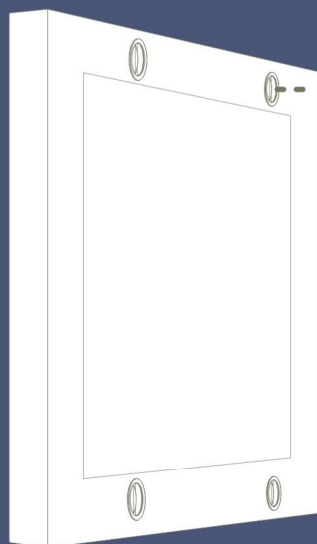
Sound-absorbing wall

The installation system

安装系统

Each panel features a unique system with four symmetrically arranged openings on the back to provide for great flexibility and ease in use when installing them. The mounting fixtures are either screwed into the back of the panel or the panel is hung up from them. Each solution is designed to conceal the installation system and yet allow for the panels to be easily adjusted at any time.

每一块吸音墙饰都是一个独特的系统与其后面有四个对称布置的开口，以提供巨大的灵活性且在安装时易于使用。安装固定装置可固定在面板的后面或是把它们的控制面板挂在装置上。每一个解决方案都是为了掩盖安装系统，还允许在任何时候能方便地调整控制面板。



Sound-absorbing wall

Wall installation 墙安装

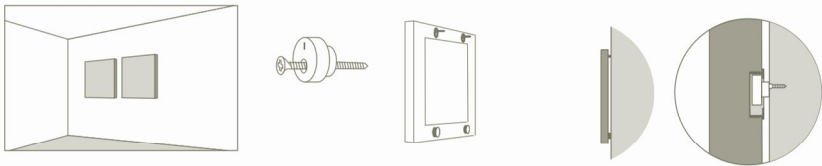
Installation options 安装选项

- All panels are equipped with four openings on the back.They make it possible for the panels to be installed in a variety of ways:
- 1.Directly on the wall, using wall and furniture screws.
 - 2.In front of the wall, using the rail system.
 - 3.On a glass wall, using glass adhesive adapters.
 - 4.Freely suspended from the ceiling, using a pair of panels and the YOYO suspension system.

所有的面板背面都配有四个孔的。他们可提供了面板安装的各种可能方式：

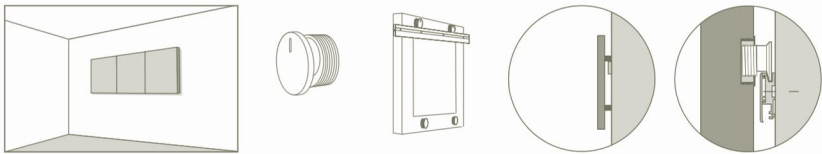
1. 直接安装在墙上，在墙壁和家具钉钉。
2. 在墙的前面，使用轨道系统。
3. 在玻璃墙，使用玻璃粘合适配器。
4. 自由悬挂在天花板上，用一对面板和溜溜球悬挂装置。

Installation solution for all walls and paneling 适用于所有墙体和面板的安装方法



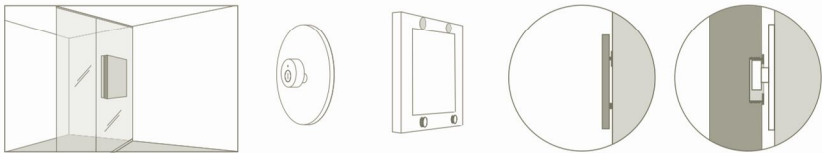
Wall installation for hanging individual panels on any type of wall or paneling (for example, the backs of furniture).
适用于所有墙体和面板的独立悬挂式墙面安装方法（例如，家具的背面）

Installation solution at a slight distance from the wall using the rail system 与墙体轨道整体有一小缝隙距离的安装方法



Rail-mounted installations with rail adapters for wall arrangements. Concealed rails in variable lengths. At a distance of approximately 2 cm from the wall.
用墙体适配器来安装墙体轨道设置。在可变长度的轨道中。在距离墙体约2厘米处。

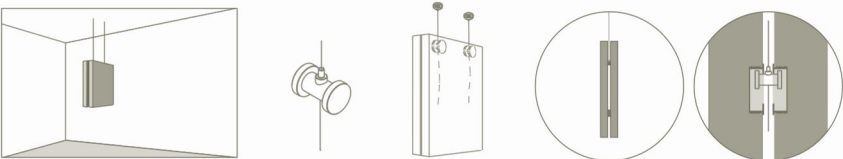
Installation solution for glass walls 在玻璃墙上的安装方法



Glass wall all installation to permanently adhere to glass walls; however, not suitable for window surfaces.
全玻璃墙安装方法适用于是全玻璃墙表面；然而，不适合窗口表面。

Freely suspended from the ceiling, using a pair of panels and the YOYO suspension system.

自由悬挂在天花板上，用一对面板和溜溜球悬挂装置。





Good spatial planning also requires a solid knowledge of spatial factors that are not immediately visible in a room. At UISPAIR, our approach to designing interior spaces is holistic, and we develop sustainable products that offer more than just durability. They incorporate environmentally-friendly means to connect materials and high-quality components that are free of harmful emissions, which are decisive criteria when creating a healthy indoor environment. Our products fulfill the LEED standards for sustainable design in architecture.

良好的空间规划也需要一个坚实的空间构成知识，这是在一个空间里是不随时可见的。在UISPAIR公司，我们设计室内空间的方法是整体性的，而我们研发的可持续产品不仅仅是提供了耐久性。他们用完全无害物质的排放即环保的手段来连接材料及应用高品质的组件，这是创造一个健康的室内环境的决定性标准。我们的产品满足建筑可持续设计的能源与环境设计先锋奖标准。



DESIGN
LIGHTING
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