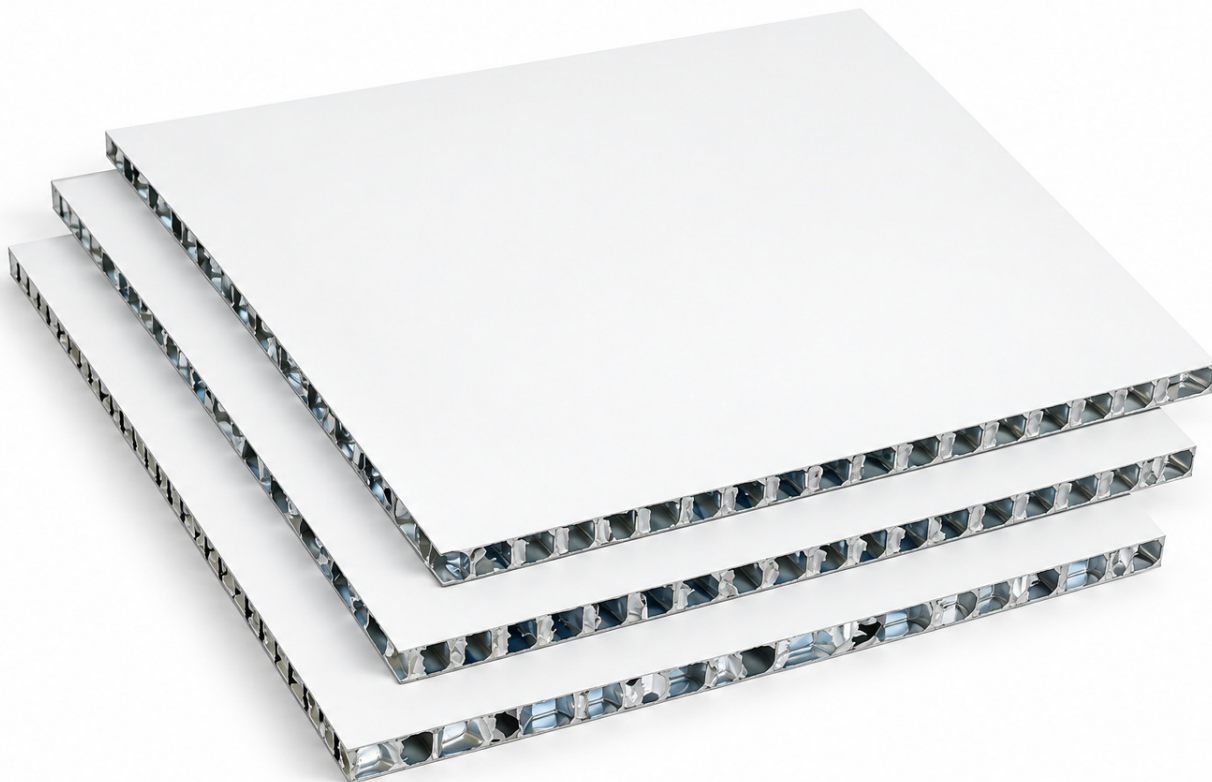


全铝蜂窝板 吊顶应用指南

ALL-ALUMINUM HONEYCOMB PANELS

Ceiling Application Guide



Project-Specific

1220 × 2440 mm

Approx. 5000 mm

吊顶板厚

标准板幅

最大长度

Ceiling Panel Thickness

Standard Sheet Size

Maximum Length

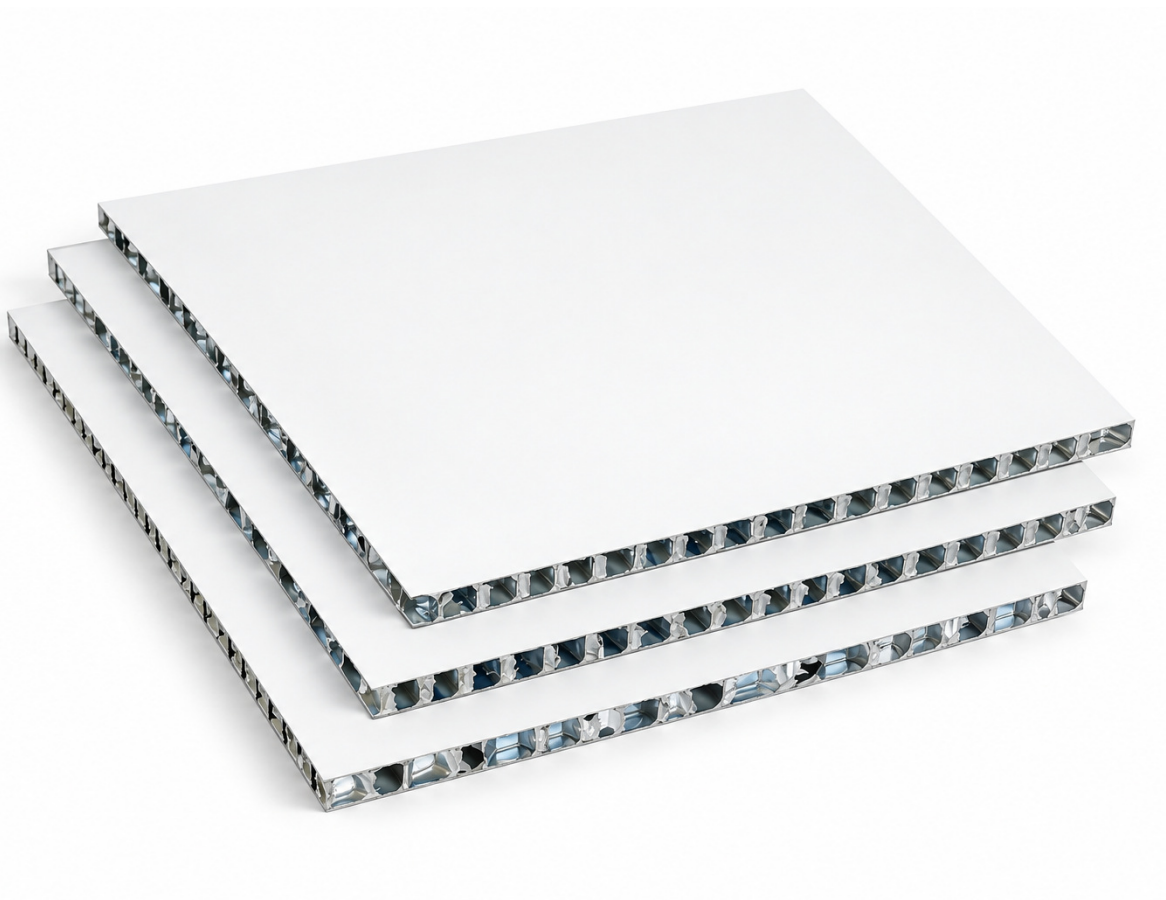
01 / THE PRODUCT

全铝蜂窝板，面向吊顶应用

Aluminum honeycomb panels for ceiling applications

铝面板、铝蜂窝芯与铝背板复合成型。板材总厚度、面铝厚度和背铝厚度根据吊顶系统及项目要求选择。

Aluminum Face Skin and Back Skin are bonded to an Aluminum Honeycomb Core. Overall Panel Thickness, Face Skin Thickness and Back Skin Thickness are selected according to the ceiling system and project requirements.



铝蜂窝吊顶板

Ceiling panels

铝面板、蜂窝芯与铝背板复合成型。

Aluminum skins bonded to an Aluminum Honeycomb Core.

规格选择

Specification options

根据项目选择板材总厚度、面铝厚度及背铝厚度。

Choose Overall Panel Thickness, Face Skin Thickness and Back Skin Thickness for the project.

配套按需

Accessories on request

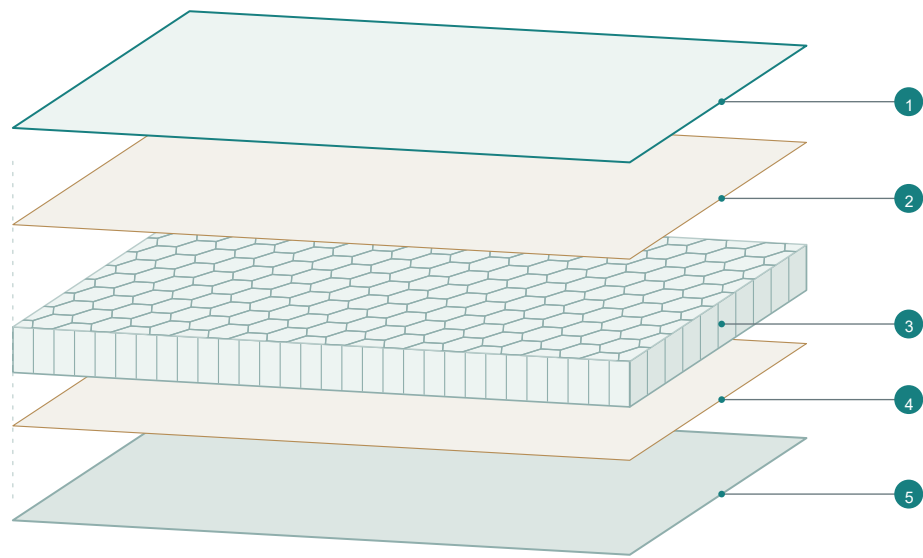
可按客户确认的规格协助采购匹配的吊顶配件。

Matching ceiling accessories can be sourced on request to customer-approved specifications.

02 / CONSTRUCTION

铝面板、蜂窝芯与铝背板

Face Skin, Honeycomb Core and Back Skin



01 铝面板

Aluminum Face Skin

可见表面；颜色、涂装效果与厚度按需求选择。
Visible face; select the color, coated appearance and skin thickness.

02 / 04 复合层

Bonding Layers

将两侧铝皮与蜂窝芯连接为整体。
Bond the aluminum skins to the Aluminum Honeycomb Core.

03 铝蜂窝芯

Aluminum Honeycomb Core

约 0.03 mm 铝箔。蜂窝孔格包括 3×3 / 4×4 / 5×5 / 6×6 mm；吊顶应用另有 2×2 mm 可选。
Approx. 0.03 mm aluminum foil. Cell designations include 3×3 / 4×4 / 5×5 / 6×6 mm; 2×2 mm is also available for ceiling applications.

正式工程图需要时，应确认孔格规格的几何定义及测量方式。
Cell designation geometry and measurement method should be confirmed when required for engineering drawings.

05 铝背板

Aluminum Back Skin

背铝厚度与面铝厚度分别确定。
Specify Back Skin Thickness and Face Skin Thickness separately.

结构示意；各层分开展示。
Construction illustration; layers are separated for clarity.

03 / SPECIFICATION OPTIONS

板厚与面背铝选择

Choose Overall Panel Thickness and Skin Thicknesses

板材总厚度 Overall Panel 按项目确认 Project-specific thickness	面铝厚度 Face Skin 0.1–2.0 mm	背铝厚度 Back Skin 0.1–2.0 mm
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根据吊顶系统、板材尺寸、支撑方式和项目要求选择板材总厚度、面铝厚度和背铝厚度。
Select Overall Panel Thickness, Face Skin Thickness and Back Skin Thickness according to the ceiling system, panel dimensions, support arrangement and project requirements.

面铝和背铝分别确定，可采用不同厚度。
Face and Back skins are specified separately and may use different thicknesses.

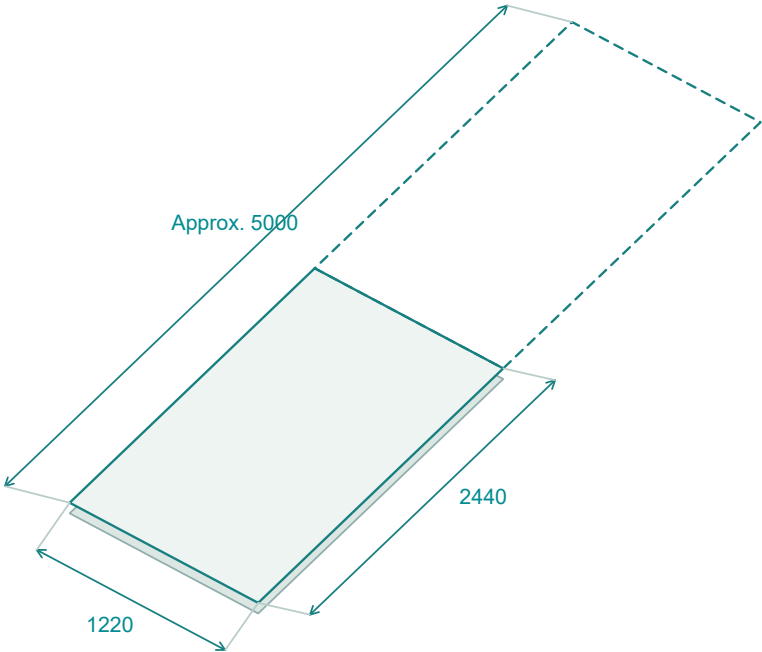
最终厚度、公差及板材结构以确认订单为准。
Final thicknesses, tolerances and panel construction are confirmed with the order.

04 / DIMENSIONS & CORE

标准尺寸与定制范围

Standard dimensions and customization

标准尺寸为 1220 × 2440 mm。最大宽度约 1550 mm，最大长度约 5000 mm。其他定尺规格可根据项目沟通。
Standard size: 1220 × 2440 mm. Maximum width is approximately 1550 mm and maximum length is approximately 5000 mm. Other custom dimensions can be discussed for the project.



标准板幅

Standard Panel Size

1220 × 2440 mm

尺寸单位为毫米。
Dimensions are specified in millimeters.

最大宽度

Maximum Width

Approx. 1550 mm

最大长度

Maximum Length

Approx. 5000 mm

定制尺寸

Custom Dimensions

可在可生产范围内讨论定尺规格，并确认运输、搬运及订单要求。
Custom sizes can be discussed within the available production range. Confirm transport, handling and order requirements.

蜂窝芯参考

Core Reference

约 0.03 mm 铝箔。蜂窝孔格包括 3×3 / 4×4 / 5×5 / 6×6 mm；吊顶应用另有 2×2 mm 可选。
Approx. 0.03 mm aluminum foil. Cell designations include 3×3 / 4×4 / 5×5 / 6×6 mm; 2×2 mm is also available for ceiling applications.

订单尺寸

Order Dimensions

正式工程图需要时，应确认孔格规格的几何定义及测量方式。

Cell designation geometry and measurement method should be confirmed when required for engineering drawings.
Qitianmei Metal Products Co., Ltd.

确认公差、板块排版与裁切余量。

Confirm tolerances, panel layout and trimming allowance.

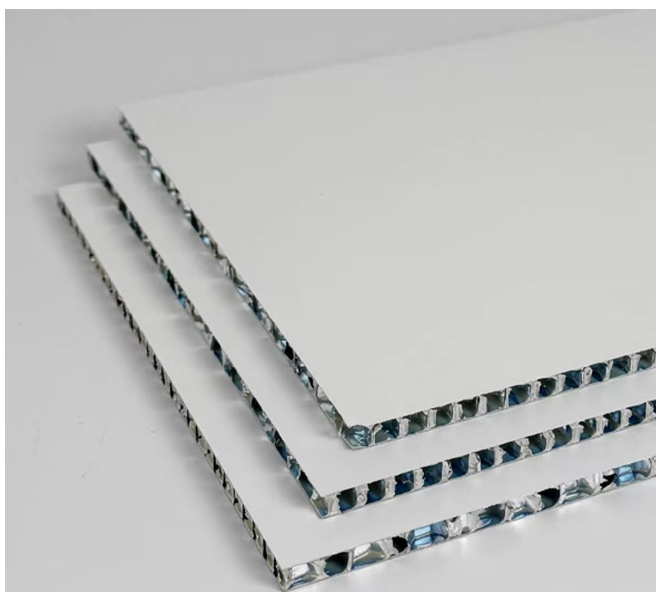
05 / SURFACE OPTIONS

哑白、米白与定制表面

Matte white, warm white and custom appearance

板材可采用不同涂装或装饰表面。颜色、光泽和视觉效果以确认的实物样品为准。

Panels can use different coated, painted or decorative finishes. Select color, gloss and appearance against an approved physical sample.

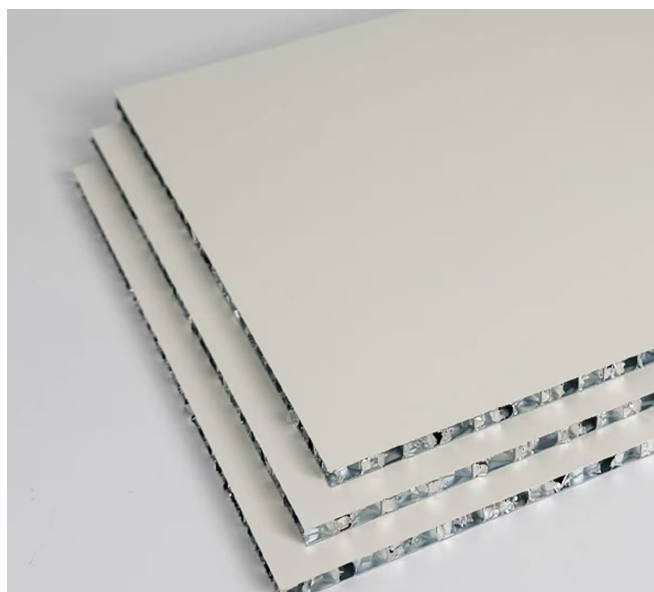


哑白

Matte White

适合沟通简洁、均匀的浅色板面。

A reference for a clean, even light-colored face.



米白

Warm White

可结合室内墙面、灯光和收边色彩选样。

Coordinate the sample with walls, lighting and trim colors.

哑白和米白为吊顶表面参考。其他表面效果可根据所选表面体系及项目要求沟通。

Matte white and warm white are reference ceiling appearances. Other surface finishes can be discussed according to the selected finish system and project requirements.

可讨论的表面体系包括粉末喷涂、水性漆、PET / PVC 装饰膜及其他项目适用的装饰表面。

Available finish systems may include powder coating, water-based paint, PET / PVC decorative film and other project-specific decorative finishes.

选样时同时确认：颜色、光泽、面层方向、可见面数量及保护膜要求。

Approve color, gloss, any surface directionality, visible faces and protective-film requirements together.

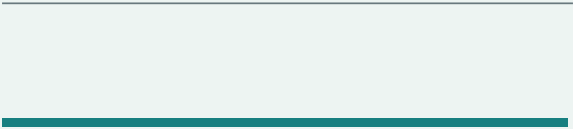
06 / CEILING FORMS

平吊、二级吊与三级吊

Flat, two-level and three-level ceilings

悬吊安装可结合整体或局部覆盖；周边退让可形成悬浮视觉效果。平吊、二级吊和三级吊体现不同的完成面标高。

Suspended installations may provide full or partial coverage. Recessed edges can create a floating effect. Flat, two-level and three-level layouts define the ceiling elevations.

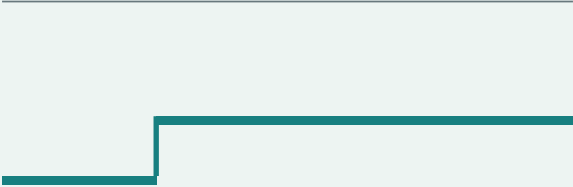


平吊

Flat Ceiling

单一连续标高，板缝与线性灯整齐配合。

One continuous plane with coordinated joints and linear lighting.

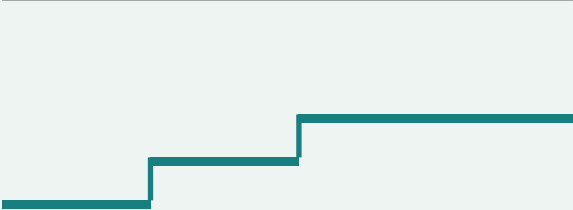


二级吊

Two-Level Ceiling

两个标高形成高差，协调立面封板及灯槽。

Two elevations create a step, with coordinated fascia and lighting cove.



三级吊

Three-Level Ceiling

三个标高形成层次，逐层明确收口和支撑。

Three elevations create layers; define edges and support at each level.

07 / APPLICATION CONCEPTS

铝蜂窝吊顶板与线性灯应用

Ceiling panels with integrated linear lighting

平整板面与线性灯、筒灯组合，形成简洁的室内吊顶效果。

Smooth panel surfaces combine with linear lighting and downlights for a clean interior ceiling.



平行线性灯

Parallel Linear Lighting

灯线与板缝协调布置，保持板面视觉完整。

Coordinate lighting lines with panel joints for a consistent ceiling layout.

应用效果示意

Application Visualizations



转折线性灯

Angular Linear Lighting

按空间布局组织灯线转折及筒灯位置。

Arrange lighting turns and downlight positions to suit the room layout.

08 / INSTALLATION REFERENCE

铝蜂窝吊顶板安装参考

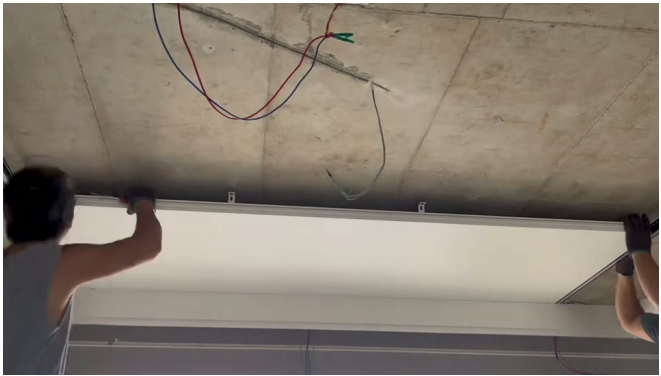
Aluminum honeycomb ceiling panel installation

以下展示快装系统的骨架与板材就位过程。安装由客户或安装方根据所选系统及现场条件实施。
The images show an example quick-install frame and panel-positioning process. Installation is carried out by the customer or installer according to the selected system and site conditions.



骨架与收边

Frame and Perimeter



板材就位

Panel Positioning

01 定位与收边

Set Out & Perimeter

根据吊顶标高和排版确定收边位置。

Set perimeter positions from the ceiling level and panel layout.

02 连接与调平

Connect & Level

按配套系统连接吊杆、吊件及型材。

Connect rods, hangers and profiles to the selected system.

03 板材就位与固定

Position & Retain Panels

配合所用型材安装板材并固定板边。

Position panels and retain their edges with matching components.

04 接缝与开口检查

Check Joints & Openings

核对板面、接缝及灯具、设备开口。

Check surfaces, joints and openings for lights and services.

安装形式、固定件及间距由项目安装方案确定。

The project installation design defines the arrangement, fixings and spacing.

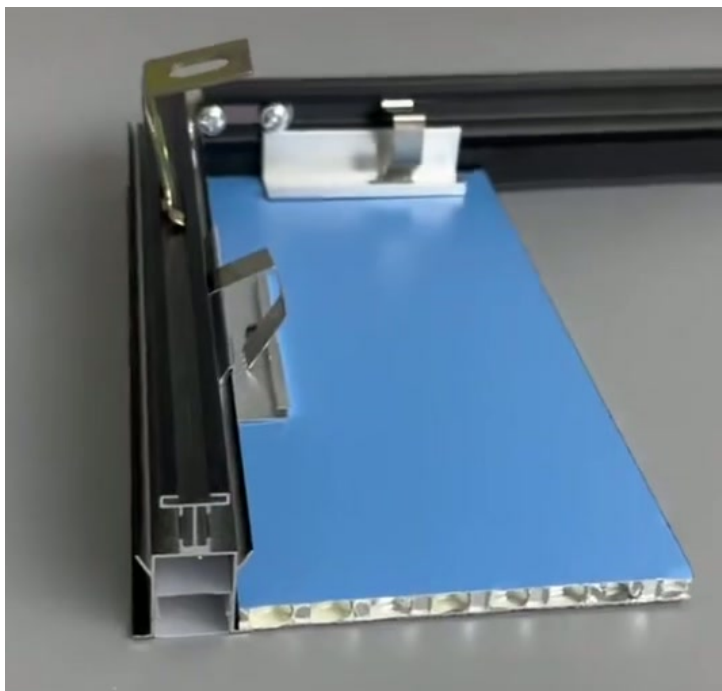
09 / ASSEMBLY REFERENCE

板材与快装型材的连接

Panel connections with quick-install profiles

配套节点示例：型材承托板边，压板件固定板材，连接件连接型材。

Example assembly: profile ledges support panel edges, retainers secure the panel, and connectors join the profiles.



板边承托

Panel-Edge Support

板边与型材承托位置相配合。

The panel edge seats against the supporting profile.

压板件

Panel Retainers

压板件与型材槽口配套使用。

Retainers engage the matching profile slots.

型材连接件

Profile Connectors

连接件与螺丝用于型材连接。

Connectors and screws join the profiles.

板材为主要供货产品。配件可按客户确认的规格及清单按需协助采购。

Panels are our main supply product. Accessories can be sourced on request to customer-approved specifications and lists.

10 / ON-SITE FABRICATION

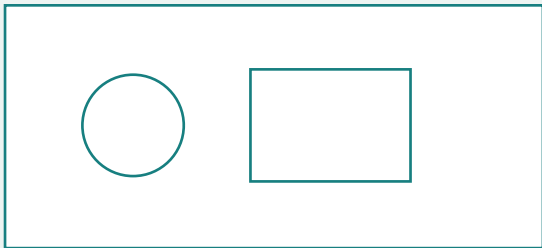
现场裁切与开孔

On-site cutting and openings

如项目需要，客户或安装方可根据确认的现场尺寸进行裁切和开孔，包括灯孔、风口及其他设备开口。
Where required, customers or installers may cut panels and make openings to suit verified site dimensions, including light holes, air outlets and other service openings.



尺寸裁切
Cutting to Size



圆孔与矩形开口
Round & Rectangular Openings

裁切与开口形式示意
Cutting and Opening Types

01 量尺与放样

Measure & Mark

核对板材正反面、尺寸与开口位置。
Check face orientation, dimensions and opening positions.

02 承托与试切

Support & Trial Cut

稳固承托板材，选用合适刀具并试切边料。
Support the panel securely and test suitable tooling on an offcut.

03 裁切与开孔

Cut & Make Openings

沿标记加工，保护板面并清理切屑。
Follow the markings, protect the surface and clear swarf.

04 边部处理

Finish Edges

去除毛刺，按安装要求处理孔边和切口。
Remove burrs and finish the cut edges to the installation requirements.

11 / TOOLS

现场加工常用工具

Common tools for site fabrication



01

01 导轨锯 / 圆锯

Guided / Circular Saw

直线裁切

Straight cuts

04

04 铆接工具

Riveting Tool

按节点需要配置

Where the detail calls for it

02

02 电钻与开孔器

Drill & Hole Saw

圆孔与设备孔

Round openings

05

05 水平仪与量具

Level & Measuring Tools

标高、尺寸与方正

Levels, dimensions and squareness

03

03 曲线锯

Jigsaw

按形状加工开口

Shaped openings

06

06 边部与防护工具

Edge & Protection Tools

去毛刺、夹持与护目

Deburring, clamping and eye protection

12 / PANEL ENQUIRY

铝蜂窝板询价信息

Aluminum honeycomb panel enquiry

请提供板材规格、数量和交付要求。配件代采为可选服务，可单独提供清单。
Please provide panel specifications, quantities and delivery requirements. Optional accessory sourcing can be requested with a separate list.

板材总厚度 Overall Panel Thickness	请提供吊顶系统所需板厚。产品总体厚度范围约 5 - 65 mm。 Specify the required thickness for the ceiling system. General product range: approx. 5-65 mm.
面铝厚度 / 背铝厚度 Face Skin Thickness / Back Skin Thickness	分别提供所需厚度。总体范围为每侧 0.1 - 2.0 mm。 Specify separately. General range: 0.1-2.0 mm per skin.
蜂窝孔格规格 Honeycomb Cell Designation	吊顶应用可选 2×2 mm; 3×3 / 4×4 / 5×5 / 6×6 mm 也可沟通。 2×2 mm is available for ceiling applications. 3×3 / 4×4 / 5×5 / 6×6 mm can also be discussed.
尺寸与数量 Size & Quantity	常规尺寸 1220 × 2440 mm，也可按项目讨论定尺。请提供尺寸、数量及定制要求。 Standard size is 1220 × 2440 mm; project-specific dimensions can also be discussed. Provide sizes, quantities and any custom-size requirements.
表面要求 Surface Finish	提供颜色、光泽、表面体系、可见面及确认样品要求。 Provide color, gloss, finish system, visible faces and any approved sample.
包装与交付 Packing & Delivery	提供目的地、包装要求及要求交期。 Provide destination, packing requirements and required delivery schedule.

可选：配件协助采购

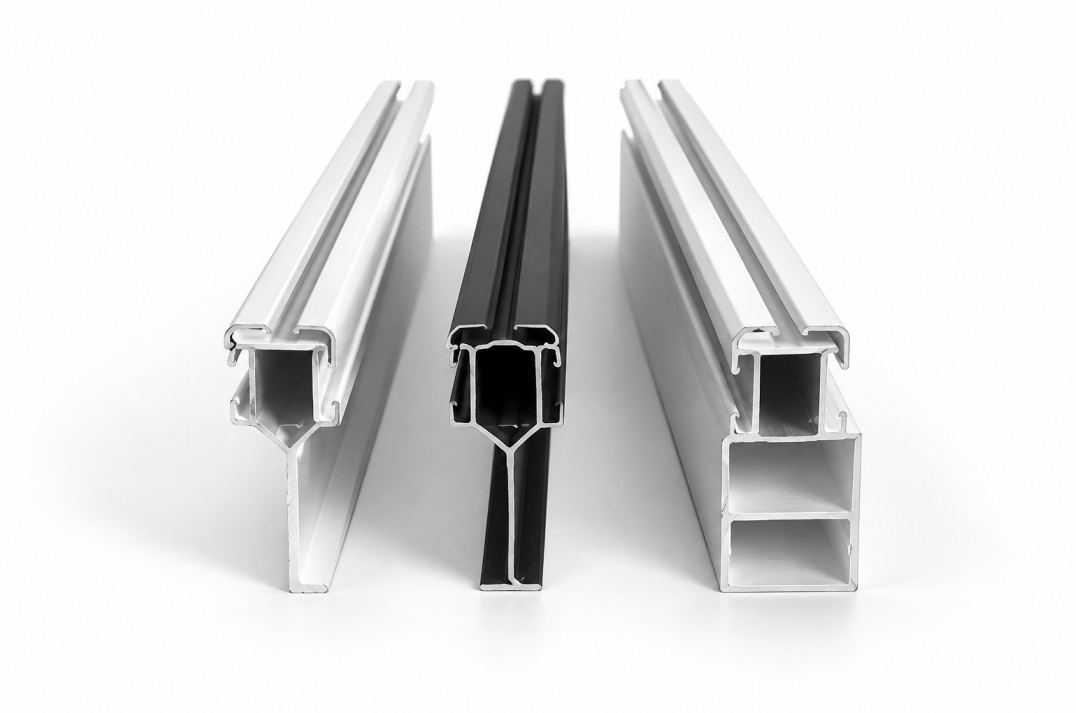
Optional: Accessory Sourcing Assistance

如有需要，请另附配件名称、规格、图片或图纸及数量。配件选型与安装匹配由客户或安装方确认。
If required, attach accessory names, specifications, photos or drawings, and quantities. The customer or installer confirms selection and installation compatibility.

APPENDIX A1 / ACCESSORY SOURCING

铝型材：快装、承托与收边

Aluminum profiles for assembly, support and edges



型材为配件参考；可按客户确认的截面与规格协助采购。
Profile examples for reference; sourcing assistance is available to customer-approved sections and specifications.

A01	快装主骨 Quick-Install Carrier	形成板块边界及板边承托位置。 Defines the module and supports panel edges.
A02	发光主骨 Lighting Carrier Profile	在配套型材中协调灯带与板缝。 Coordinates light strips and joints within a matching profile.
A03	墙边收口型材 Perimeter Trim	处理墙面与吊顶的交接。 Finishes the wall-to-ceiling junction.
A04	高低差 / 跌级型材 Level-Change Profile	组织不同标高及立面封板。 Forms level transitions and fascia junctions.
A05	灯槽 / 阴影缝型材 Cove / Shadow-Gap Profile	形成灯槽或周边退让效果。 Creates lighting coves or recessed perimeter lines.
A06	封边 / 转角型材 Edge / Corner Trim	用于外露端部、阴角及阳角。 Finishes exposed ends and internal / external corners.

APPENDIX A2 / ACCESSORY SOURCING

吊件、连接件与压板件

Hangers, connectors and panel retainers

以下为常见配件参考，可按客户确认的规格及清单协助采购。

Common accessory examples are shown below. We can assist with sourcing to customer-approved specifications and lists.



三爪吊件

Upper Left: Three-Claw Hanger

立角码

Upper Center: Upright Corner Connector

一字连接条

Upper Right: Straight Splice Strip

金属压板件

Lower Left: Metal Pressure Clips

塑料压板件

Lower Center: Plastic Pressure Clips

短十字螺丝

Lower Right: Short Cross-Head Screws

配件外形示意；采购型号以客户确认的图片、图纸及清单为准。

Illustrative shapes only; sourcing follows customer-approved images, drawings and lists.

APPENDIX A3 / ACCESSORY SOURCING

吊挂件与连接件

Suspension parts and connectors

我们主营全铝蜂窝板；以下配件可按客户确认的型号、材质及数量协助采购。
Our main product is all-aluminum honeycomb panels. We can help source these accessories to customer-approved models, materials and quantities.

吊挂件 / Suspension Parts

B01	细吊杆 Slender Suspension Rod	连接顶部固定点与吊件，配合调节标高。 Connects the upper fixing to the hanger for level adjustment.
B02	龙骨吊钩 Carrier Hanger	卡入匹配型材槽口，与吊杆连接。 Engages the matching profile and connects to the rod.
B03	三爪 / 四爪吊件 Three- / Four-Claw Hanger	按龙骨槽形选择相应卡爪结构。 Choose the claw arrangement for the carrier section.
B04	调平连接件 Level Adjustment Fitting	与螺母、吊杆配合定位并锁紧。 Works with the rod and nuts to set and lock the level.

连接件 / Connectors

C01	一字连接条 Straight Splice Strip	插入配套型材，连接直线接长部位。 Joins matching profiles at straight splices.
C02	平面直角码 Flat Corner Connector	在同一平面连接相交型材。 Joins profiles meeting in the same plane.
C03	立角码 Upright Corner Connector	连接转角、跌级或立面相交位置。 Connects corner, level-change or fascia junctions.
C04	转接 / 万能连接件 Adapter Connector	用于选定系统中的特殊交接部位。 Adapts selected interfaces within the chosen system.

APPENDIX A4 / ACCESSORY SOURCING

压板件与紧固件

Panel retainers and fasteners

我们主营全铝蜂窝板；以下配件可按客户确认的型号、材质及数量协助采购。

Our main product is all-aluminum honeycomb panels. We can help source these accessories to customer-approved models, materials and quantities.

板材固定件 / Panel Fixing Parts

D01	塑料压板件 Plastic Pressure Clip	卡入槽口，从上侧压住板材边部。 Engages the profile slot and retains the panel edge from above.
D02	金属压板件 Metal Pressure Clip	金属弹片扣入型材，限制板材松动。 A metal spring clip engages the profile to retain the panel.
D03	卡板 / 压片 Panel Retaining Plate	用于匹配型材与板厚的固定位置。 Retains the panel at a position matched to the profile and thickness.
D04	限位扣件 Retaining / Stop Clip	按节点需要辅助定位、限位及拆装。 Provides positioning, restraint or access as the detail requires.

紧固件 / Fasteners

E01	配套短螺丝 Matching Short Screws	用于角码、连接条等小型连接部位。 Secures corner connectors, splice strips and small fittings.
E02	螺母与垫片 Nuts and Washers	与吊杆螺纹匹配，用于连接与锁紧。 Match the suspension rod thread for connection and locking.
E03	顶部锚固件 Upper Fixing / Anchor	按基层与系统选择适用的固定件。 Select a suitable fixing for the substrate and ceiling system.
E04	型材固定螺钉 Profile Fixing Screws	按型材、墙边或其他连接节点配置。 Select for profile, perimeter or other specified connections.

APPENDIX A5 / ACCESSORY SOURCING

功能配件与系统配套

Functional accessories and coordination

我们主营全铝蜂窝板；以下配件可按客户确认的型号、材质及数量协助采购。

Our main product is all-aluminum honeycomb panels. We can help source these accessories to customer-approved models, materials and quantities.

功能配件 / Functional Accessories

F01	灯具 / 灯带配件 Lighting Accessories	配合发光主骨、灯槽及灯具安装位置。 Coordinate light carriers, coves and luminaire locations.
F02	风口与开口收边 Air-Outlet / Opening Trim	整理孔边并与设备尺寸配合。 Finishes openings and coordinates equipment dimensions.
F03	检修口组件 Access Hatch Assembly	预留开启位置、检修尺寸及配套锁扣。 Provides the planned opening, clearance and closure hardware.
F04	设备支撑件 Service Support	将设备荷载传至项目指定的支撑位置。 Transfers service loads to the designed supporting structure.
F05	隔离垫 / 缓冲条 Isolation Pad / Gasket	用于设计要求的接触面或接缝位置。 Separates contact surfaces or joints where specified.
F06	安全绳 / 限位附件 Safety Tether / Restraint	在指定位置配置，配合检修及防脱要求。 Adds restraint at specified points to suit access requirements.

如需代采配件，需提供名称、图片或图纸、规格和数量。由客户或安装方确认与所用安装系统的匹配关系。

For sourcing assistance, provide names, photos or drawings, specifications and quantities. The customer or installer confirms compatibility with the selected installation system.

13 / CONTACT

联系我们

Contact Us

Qitianmei Metal Products Co., Ltd.

全铝蜂窝板供货 · 配件可按需协助采购

All-aluminum honeycomb panels · Optional accessory sourcing

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询价请提供：

For quotations, please provide:

吊顶应用 / 安装系统

Application / Ceiling System

板材总厚度

Overall Panel Thickness

面铝厚度 / 背铝厚度

Face Skin Thickness / Back Skin Thickness

蜂窝孔格规格，如已知

Honeycomb Cell Designation, if known

板材尺寸与数量

Panel Size and Quantity

表面处理与颜色

Surface Finish and Color

配件需求，如有

Accessory Requirements, if any

包装与交付目的地

Packing and Delivery Destination