

Aluminum Open Cell Ceiling System

TECHNICAL DATA SHEET / Product and manufacturing overview

Product overview

Suspended aluminum open-grid ceiling system for commercial, transport, hospitality, office and selected industrial interiors. Custom dimensions and finishes are available following technical review.

PARAMETER	FACTORY-STATED / AVAILABLE SPECIFICATION
Base material	3-series aluminum alloy; exact grade, temper and thickness to be confirmed
Profile base width	10–60 mm
Profile height	30–120 mm
Standard grid openings	100 × 100 / 150 × 150 / 200 × 200 mm
Custom openings	Subject to approved drawings and feasibility review
Surface finishes	Powder coating / fluorocarbon coating / wood-grain finish
Colors	Project-specific; approved finish sample recommended
Manufacturing capacity	50,000 m²/month (factory-stated; dependent on product mix)
Sample preparation	Typically 5–7 days after technical confirmation
Bulk production	Typically 10–15 days after final order approval; excludes shipping

Selection notes

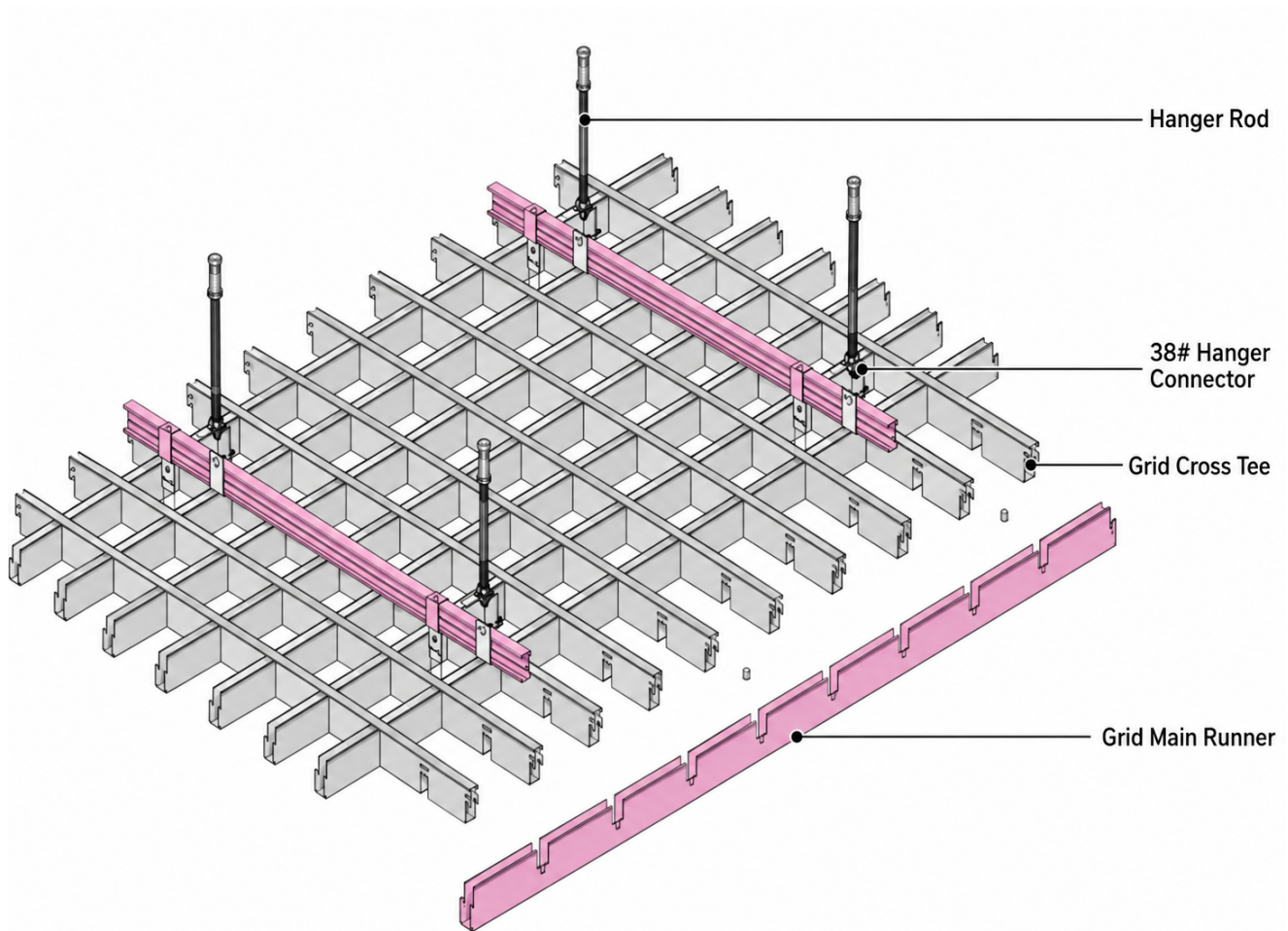
Grid opening, profile size, aluminum thickness and suspension components must be reviewed together. Standard grid sizes describe geometry, not certified fire, ventilation or acoustic performance.

Typical applications

Shopping malls, supermarkets, retail spaces, airports, metro stations, exhibition centers, offices, hotels, restaurants and suitable institutional or industrial interiors.

Suspension and Grid Assembly

Typical assembly diagram supplied for reference. Final connections, hanger spacing, anchors, structural loading and code compliance require project-specific approval.



Key components

COMPONENT	FUNCTION
Hanger rod	Suspends the system from an approved supporting structure
38# hanger connector	Connector shown in supplied drawing; verify model and rated capacity
Grid main runner	Primary support and alignment of the grid assembly
Grid cross tee	Intersects with other profiles to form the open-grid pattern

Project engineering notice

Coordinate ceiling geometry with lighting, HVAC, sprinklers, smoke detection and maintenance access. The drawing is not a certified structural or fire-protection design.

Manufacturing and Delivery



Factory workshop photograph: metal ceiling profiles suspended on support racks. This photo documents physical components but does not independently verify a particular coating process or monthly output.

Quality and order process

Factory-stated quality controls include checks during production intended to identify nonconforming components before shipment. Exact acceptance criteria, inspection records, alloy certificates and finish requirements should be agreed for each order.

STAGE	TYPICAL ACTION
1. Technical review	Submit drawings, grid dimensions, finish, quantity and destination
2. Sampling	Prepare custom samples in approximately 5–7 days after confirmation
3. Approval	Approve samples, drawings and finish requirements in writing
4. Manufacturing	Typically 10–15 days for standard bulk orders after final approval
5. Dispatch	Inspect, package and arrange shipping under agreed terms

Important technical limitations

The open grid alone does not establish a tested NRC rating. Fire reaction, sprinkler coordination, structural loads and corrosion performance require review of the actual materials, complete assembly and local requirements.

CONTACT / PROJECT ENQUIRIES

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Product page: <https://tzxh-material.com/product/aluminum-open-cell-ceiling/>

Document status: Technical marketing draft. Confirm alloy grade, thickness, inspection criteria and any required certificates before issuing as a contractual specification.