

System 4220

Lay-in / 4130 Hook-on Expanded Metal Ceiling

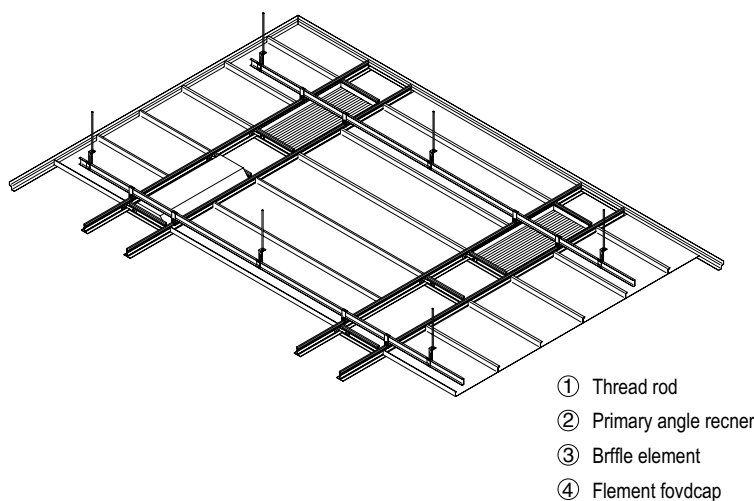


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Lay-in / 4130 Hook-on Expanded Metal Ceiling

Cyber / Hi-tech feature with specially designed exposed T-grid system with fashioned lay-in or concealed hook-on expanded metal ceiling to suit latest interior design atmosphere from **"Suckow & Fischer" Germany.**

SYSTEM 4220



Advantages of System 4220 / 4130

- New fashion of metal ceiling design with hi-tech image
- Available both in exposed T-grid or concealed hook-on system
- Flexible in design planning for room configuration
- Create ceiling uniformity and tidiness by hiding most building services
- Integrated with other building services
- Demountable by lifting & tilting ceiling tile without hand tools
- Low maintenance with durable product life

System 4220 Lay-in Expanded Metal Ceiling System

A new ceiling fashion with expanded metal ceiling that reflects the modern hi-tech interior design. The expanded metal ceiling does not only have its visual appeal but it also provides functional practicality of integrating to air-conditioning outlets, smoke detectors, lighting design and signage. The system is simple in design planning for any configurations and is cost effective for large ceiling areas. The proprietary suspension system is developed to provide flexibility in ceiling design and convenience in ceiling installation.

The Suspension System

The suspension system consists of primary structural profile, **AS 20 E**, pierced galvanized steel angle runner. Secondary structural profile is proprietary **DP 40 E** 40mm wide aluminium T-grids which is connected to **AS 20 E** with **ZA 15 E** connecting brackets to form a rigid structural ceiling frame for the expanded metal ceiling panels. The **DP 40 EM** main runners and the **DP 40 EC** cross runners have **1/236 E** angle brackets to connect and form openings for ceiling panels to lay on. The primary structural profile, **AS 20 E** angle runners are suspended by threaded rods directly to the concrete soffit of 1000 to 1200mm c.o.c..

The Lay-in Expanded Metal Ceiling Panels

The high quality expanded metal lay-in panel is fabricated with precision-engineered equipment to achieve dimensionally stable surface. The expanded metal is fixed on the solid panel frame to provide rigidity on four-side of the expanded metal ceiling panel to lay on the T-grid profile. Choices of having flat panels or recessed panels with shadow edge along the T-grid profile. There is flexibility for the size of expanded metal panel; it can be either in square, rectangular, trapezoid or other irregular shapes are available upon request. For design consultation, please contact "Suckow & Fischer" office for details.



Access to Plenum

Hook-on expanded metal ceiling panel can be dismounted and removed from the suspension grid by hands without using special tools. Gently push the panel end upward with an outward flange to make room for lifting the adjacent ceiling panel from the hook-on profile; tilt the ceiling panel to remove from the hook-on profile.

Open Area & Acoustic Material

Size of lattice made from expanded metal can be custom-made to order. Depending on the size of the lattice, it should have an open area between 60 to 80%. Therefore, it is extremely good for installing below air-conditioning diffusers to hide those building services and to create uniformity and tidiness of the ceiling appearance. Another added value is such high open area of the ceiling system can also used for smoke diversion to the ceiling void in case of fire. For interior application, expanded metal ceiling panels can be for aesthetic purpose or for acoustic effect by adding soundproofing & thermal insulated CFC free open-cell foam or mineral wool acoustical pads. For more information, please refer to "Suckow & Fischer" Metal Ceiling Technical Brochure.

Fabrication Quality & Standards

Ceiling panels are manufactured according to Technischer Arbeitskreis Industrieller Metall-deckenhersteller (TAIM) standards, Germany; together with quality compliance as defined by ISO 9001-2000 quality standards.

Wall & Perimeter Treatments

Available in standard wall trims or custom made bulkheads, up-stands and window pelmets; all designed to incorporate with ceiling panels in matching colours.

Building Services

Expanded metal lay-on panels can be designed to incorporate other building service facilities such as air diffusers, down lighting fixtures, sprinkler heads, smoke & fire detectors, security and broadcasting systems. Pre-opening holes fabricated at the factory are available as options.

Base Material & Finishes

Base material of expanded metal ceiling panels can be in aluminium and electrolytically galvanized steel in standard RAL 9010 or other RAL colours. Choice of using stainless steel wire mesh is also available. Thickness of the base materials is available upon request. Finish coating of the panels can have the choices of using polyester powder coating or polyvinylidene di-fluoride (PVDF). For more information, please contact our "Suckow & Fischer" office or our authorized distributors.