SUSPENDED FALSE CEILINGS
ALUMINIUM CORROSION PROOF
OPEN CELL CEILINGS SYSTEMS
coki-u
“TRADIZIONALE”
ALUMINIUM OPEN CELL CEILINGS

ALUMINIUM OPEN CELL CEILINGS BASE mm. 10

ALUMINIUM OPEN CELL CEILINGS BASE mm. 15

ALUMINIUM OPEN CELL CEILINGS SECTION BLADE “U” BASE mm. 15 LAY IN WITHOUT DIFFERENCES - TOTAL FULL INSPECTION

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METALSCREEN FACTORY is the leading Italian manufacturer of various models of aluminium open cell suspended ceilings systems. Kindly contact us for all your requirement and will answer to you, our best competitive prices.
INSTALLATION GUIDELINES  coki-u “TRADIZIONALE”

The universal composition of “U” shaped blades base mm. 10 makes the coki-u “TRADIZIONALE” the most utilized open cell ceiling system of the world. It is composed by aluminium profiles that assembled composed the open cell ceiling:
Main runner type R 1800 mm.
Cross profile type R 1200 mm.
Cross profile type R 600 mm.
Blade type “A” (male) mm. 600
Blade type “B” (female) mm. 600
Coupling for R 1800 type cavaliere GK

On mesh cell dimension
mm. 50x50 and
mm. 60x60 not necessary the cross profiles type R 1200 mm.

R 1800 main runner
R 1200 cross profile
R 600 cross profile
Panel mm. 600x600

TECHNICAL SPECIFICATION  coki-u “TRADIZIONALE”

Open cell ceilings concealed system type METALSCREEN coki-u “TRADIZIONALE” prepainted aluminium corrosionproof incombustible class “0” - Euroclass fire reaction A1. (colour and mesh cells dimension choosed by the consultant).
The open cell ceilings system is composed by U shaped profiles base width mm. 10 and height mm. 40 or mm. 50 (the height choosed by the consultant).
Combine all the required components made of aluminium of the same colour it will obtained a regular open cell ceilings without any joints or visual interruption.
To obtain better soundproofing, the “U” shaped blades can be microperforated diameter Ø mm. 2 with acoustic “TNT” non woven thermal applied on the back.

MESH DIMENSION  coki-u “TRADIZIONALE”

<table>
<thead>
<tr>
<th>MESH CELL SIZE mm.</th>
<th>50x50</th>
<th>60x60</th>
<th>75x75</th>
<th>86x86</th>
<th>100x100</th>
<th>120x120</th>
<th>150x150</th>
<th>200x200</th>
</tr>
</thead>
<tbody>
<tr>
<td>coki-u blades section “U”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>base mm. 10&quot;</td>
<td>mm. 40</td>
<td>base mm. 10&quot;</td>
<td>mm. 50</td>
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</tbody>
</table>
**TECHNICAL SPECIFICATION**

**coki-b15** ALUMINIUM OPEN CELL CEILING SECTION BLADE “U” BASE MM. 15

**METALSCREEN** produces a wide range of aluminium grids for false ceilings, with various sizes of cell, section shapes and type of finish. Offers designers and users a host of possibilities of use in line with the criteria of integrated architecture. The false ceiling system is principally used for shielding technological plants, for lighting schemes and to unify more uniform particular spaces with unusual shapes and uneven heights.

The practical and aesthetic benefits offered by these solutions are thousands: light and air are evenly distributed while no part of the lighting or the structure remain visible thus permitting the overall use of the space above for other purposes. A harmonizing effect may be created between the various compositional structures in the setting. Thereby imparting an uniform, harmonious atmosphere. The lightness of the materials and the possibility of using small panels set along side each other that do not reveal the load- bearing structure, enable easy, practical maintenance of any located in the space above the false ceiling.

The modular nature of the components, the simplification of accessories, the rationalisation of the installation systems, the material itself aluminium, make open cell ceilings an extremely simple and inexpensive system of top quality.

**BASE MATERIALS SPECIFICATION**

Open cell ceilings are made of pre-painted aluminium. Thanks to the quality of base materials used, which are produced according to norm EN, ASTM and in compliance with ECCA (European Coil Coating Association), the false ceilings feature either the high ease of installation and the reaction fire Class 0 (un-combustible), Euroclass A1.

Generally, the aluminium nails are prepainted: a polyester paint on top side, to achieve decorative purpose in a nominal thickness of 20 microns, a protective paint on back side.

The nature of these products allows for use of open cell ceilings in external applications also.

**ALUMINIUM AS THE SOLUTIONS OF THE FUTURE FOR A BETTER WORLD**

Open cell ceiling systems are made of aluminium washable, corrosionproof, dustproof, longlasting life.

The reason of this choice is because aluminium offers many advantages to designers and installers:

**Light weight:** aluminium weight (one third of the same volume of steel) makes very easy the transport, the mounting and demounting of ceiling, saving the relative costs;

**Long-lasting and resistance:** being naturally protected by a thin film of oxide highly thick and adherent (alumina Al₂O₃), it results resistant to air and weathering corrosion. It means that without special surface protection, almost all the aluminium alloys do not deteriorate in time, are extremely durable, no requiring any maintenance;

**Versatility:** the range in terms of chemicals composition and finishes is so wide to meet every functional or aesthetic requirements;

**Aesthetic:** it is surely one of the most beautiful metal, thanks to its natural colour, its light weight, as confirmed by the wide application of this material in architecture, interior and industrial design. Aluminium is, for itself nature, expression of innovation and design.

**Fire reaction:** as for fire reaction, it is deemed to be Class 0. It means aluminium does not generate toxic net hazardous products. Besides, in case of fire, the use of open cell ceiling makes large quantities of smoke can be extracted allowing a better visibility and safe way.

**Eco-compatibility:** aluminium is well-known as the “green” metal, actually it is recycled by 70% and its cost in terms of energy is of one twentieth that of the first melting. This high intrinsic value of aluminium add value to such products ad false ceilings, which make use of this.

**LAYER SYSTEM ON “T” 15xH38**

Open cell ceilings lay-in system type METALSCREEN “COKI-B15” prepaired aluminium corrosionproof incombustible class “0” - Euroclass fire reaction A1. (colour and mesh cells dimension choosed by the consultant).

The open cell “COKI-B15” must have “U” shaped section width mm. 15xH38,5 to became a panel mm. 600x600 complete of the lateral edge cover profile in aluminium same colour as the open cell panel.

It will be installed lay-in on exposed T bar system “TWIN LOCK” mm. 600x600xH38 with the base mm. 15 of the same colour of the cell ceilings to obtain the perfect aesthetical result without any joint or visual interruption.

Each panel must be easily removable for inspections.

The peculiarity and particularly is to obtain a lay-in open cell ceiling without differences between the panels and the T bar system that must be of the same module width mm. 15.

To obtain better soundproofing, the “U” shaped blades can be microperforated diameter Ø mm. 2 with acoustic “TNT” non woven sticked on the back.
OPEN CELL CEILINGS SYSTEMS

TWIN LOCK® mm. 15xH38

LATERAL EDGE COVER PROFILE

COKI-B15 particularly suggested to shield above the ceilings:
- Smoke and gas signal devices
- Loudspeakers for music or informations
- Extinguish sprinklers fire safety
- Get in signal bell alarm
- Safety and control videocameras

COKI-B15 the aluminium open cell ceilings inspired in the class wooden grid, made up of "U" shaped profiles with a width of 15 and height of 38.5 mm. Specially designed to fit into standard 15 or 24 mm wide t-grids, they provide a trackless appearance of the ceilings. COKI-B15 are high quality products for easiest placement and removal of the panels.

FEATURES
COKI B-15 feature 600x600 mm. modular panels, made up of "U" shaped profiles with 15 mm. base, wich suitably coupled form a square cell, to be inserted in a frame. COKI B-15 blades are made by bending system, which gives: the accuracy of profiles, more square edges and blades perfectly straight.

SUPPLY FORM
COKI B-15 are usually supplied unassembled. It allows for easier packages and more economic transports. Upon request, the panels can be also supplied assembled, ready to be installed.

FIRE REACTION
Open cell ceilings are classified incombustible in compliance with intenational standars. Euroclass A1 - "0" class.

INSTALLATION
The COKI B-15 are installe in the suspension grids formed by T-profiles, 15 or 24 mm wide, 3600, 1200 and 600 mm. lenght. When the panel is laid into the suspension grid, the structure results full inegrated in the cell ceiling. The modular panels 600x600 mm. are easily indivudually laid into and taken out of the standard T grid, by lifting them upwards for simple access to the plenum.

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**TECHNICAL SPECIFICATIONS:**

Open cell ceiling lay-in system type METALSCREEN coki-u "APPOGGIO T24" prepainted aluminium corrosionproof incombustible class "0" - Euroclass fire reaction A1 (colour and mesh cells dimension choosed by the consultant). The open cell ceiling panels must have "U" shaped section base width mm. 10 or mm. 15 and height mm. 40 (the base width dimension choosed by the consultant).

The open cell panels mm. 600x600 will be installed lay-in on exposed T bar grid 600x600xH38 system "TWIN LOCK" mm. 24xH38 of the same colour as the open cell ceiling.

Each panel must be easily removable for inspection.

The modular panels 600x600 mm. are easily individually laid and taken out of the standard T grid, by lifting them upwards for simple access to the plenum.

Total full inspection-each panel removable - Fast installation - Quick maintenance
**OPEN CELL CEILINGS SYSTEMS**

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**coki-u “APPOGGIO” T 24 mm. BASE mm. 10 mm. 15 LAY-IN mm. 24xH38**

Blade A:  
"MALE"

Blade B:  
"FEMALE"

Blade type A (male) assembled with blade type B (female) to obtain a panel mm. 595x595 lay-in on the T24 bar exposed system:

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**TWIN LOCK®**

Panel mm. 595x595 assembled  

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**coki-u “APPOGGIO” T24**