



SUSPENDED METAL CEILINGS

MODULAR SYSTEMS - GENERAL CATALOGUE



www.trec.it





We produce metal ceilings for any type of environment:
Offices, airports, stations,
schools, shopping centers,
buildings
industrial, sports centers,
hotels, boats



MODULAR SUSPENDED CEILINGS

We produce **metal ceilings** that combine excellent aesthetics with the peculiarity of allowing the creation of technical compartments for the passage of technological systems (ventilation, lighting, fire prevention and much more).

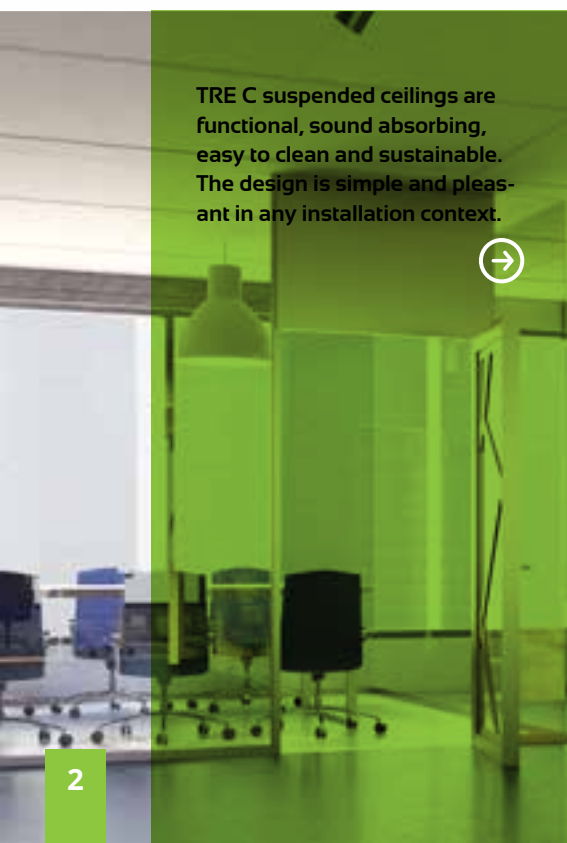
Depending on the version, the false ceilings can improve the acoustics of the room, reducing its noise, or help to insulate it thermally.

Available with visible or hidden structure, the systems developed by TRE C can guarantee a result of great impact in every context.

The products are CE certified according to the EN 13964: 2004 standard.

Our quality management system has also obtained **ISO 9001: 2015 certification** with RINA Spa for the activity of: **PRODUCTION OF METALLIC PANELS, WALLS AND FALSE CEILINGS.**

TRE C suspended ceilings are functional, sound absorbing, easy to clean and sustainable. The design is simple and pleasant in any installation context.





BENEFITS



Many finishes

The systems are available in a range of standard RAL finishes or special upon request. In addition to the non-catalog colors, it is possible to decorate the panels with digital printing solutions.



Acoustic comfort

Perforated planks and tiles boast the best levels of sound absorption, which can be further increased with the addition of special thermo-adhesive sound-absorbing mats and veils.



Simple cleaning

Due to its ease of cleaning and washing, metal false ceiling has obvious benefits also in terms of hygiene. The painted surface of the panels does not undergo alterations due to humidity or dirt and is therefore the ideal solution for environments such as hospitals, offices, shops, showrooms and airports.



Functional accessories

All our metal false ceilings are completed by a suspension system specially designed to ensure ease of assembly and the quality of the final result.



Quick installation

Panels and accessories are designed to ensure quick and easy installation. They are compatible with the most common hanging systems. The adjustment and alignment operations are quick and intuitive and it is always possible to disassemble the panels for installation corrections or the need for access to the plenum.



Personalization

In addition to standard products, for specific aesthetic or functional needs, we can make the panels completely to customer specifications. The customization can also concern the size and the accessories for installation.



CLIP-IN SYSTEM

The CLIP-IN false ceiling system consists of metal panels supported by a **hidden modular structure**. This product is the ideal choice for creating a ceiling with a visually simple and linear effect. The hooking of the panels to the structure guarantees excellent flatness of the surfaces, maximum flexibility of use and durability of the product. The smooth surface of the panels joined together continuously reduces the points where dirt could accumulate and facilitates cleaning. It is possible to easily and quickly access the compartment above by using suction cups or a special opening tool. Panels are available with either a right angle or a 45 degree bevel.

MAIN ADVANTAGES

- Linear and visually continuous result;
- Ease of cleaning;
- Flexibility and ease of assembly;
- Ease of inspection of the plenum in case of maintenance;
- Possibility to make any drilling during production for the passage of cables, systems or for the installation of ceiling devices
- Can be integrated with lamps, filters or diffusers.

AVAILABLE FORMATS

Planks

400×400 | 550×550 | 600×600 | 625×625 mm

Tiles

600×1200 | 300×1200 | 300×1500 mm
400×1000 | 400×1200 | 400×1500 mm
Other dimensions on request within the limits of the line:
Minimum width: 150 mm
Maximum length: 3000 mm

Right angle 90° or bevelled 45°

WEIGHTS AND MATERIALS

- Aluminium 0,5 mm – 1,60 kg/sqm
- Aluminium 0,6 mm – 1,90 kg/sqm
- Aluminium 0,7 mm – 2,25 kg/sqm
- Steel 0,5 mm – 4,60 kg/sqm
- Steel 0,6 mm – 5,50 kg/sqm
- Steel 0,8 mm – 7,30 kg/sqm

*Theoretical weights for standard unperforated tiles

COLOR COLLECTION

The panels of the Clip-in ceiling system are available in these finish categories:

- Pre-painted sheet;
- Post-powder coated sheet;
- Plasticized sheet.

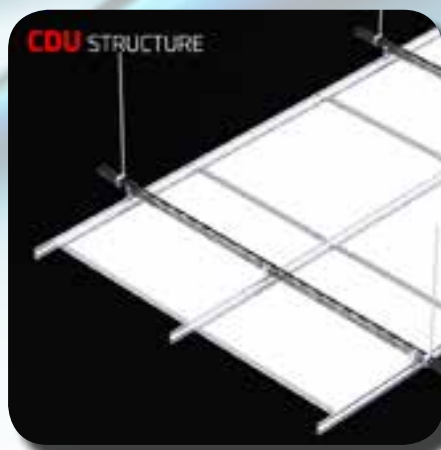
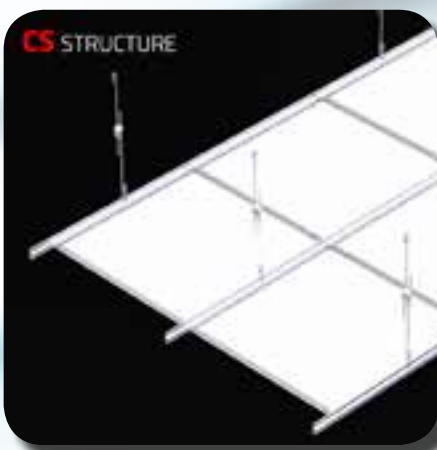
For further product customization, it is possible to request panels decorated with digital / sublimation printing.

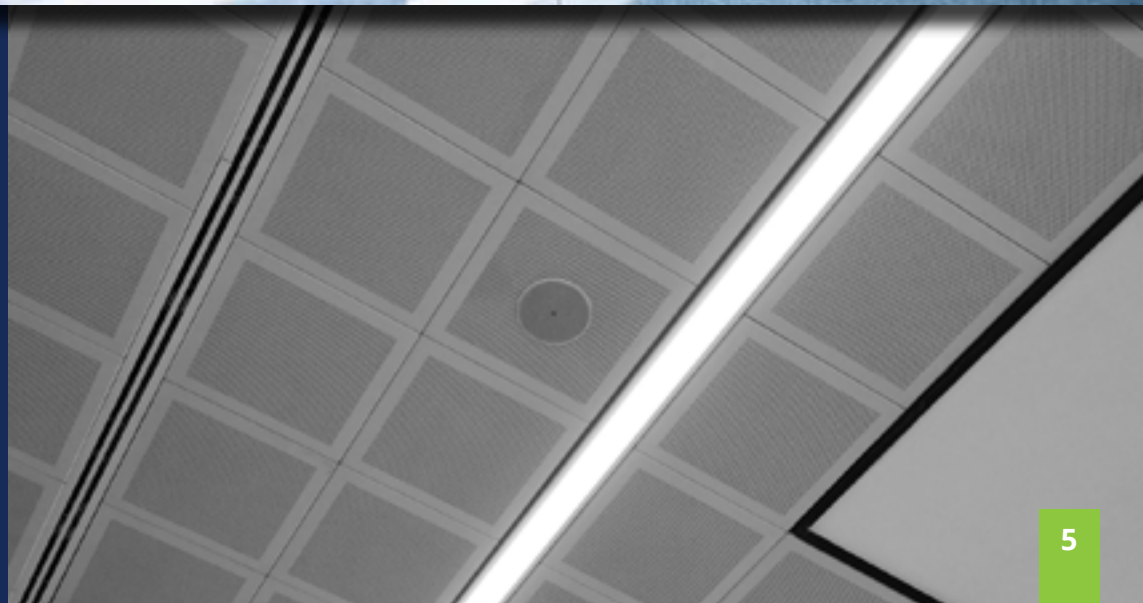
PERFORATIONS

The false ceiling panels can be supplied in blind or perforated sheet metal. Where necessary, a sound-absorbing layer in non-woven fabric can be applied.



STRUCTURES







T24 SYSTEM

The T24 system is a false ceiling made up of panels lean on a 24mm wide T-shaped structure. This system is an **economical and easy to install solution**: no tools are required for assembly or disassembly, as the panels are placed on the support structure. Access to the plenum above is therefore simple and very quick.

The ease of disassembly allows for maximum flexibility in repositioning the panels, for example to reconfigure the room or to insert lighting bodies or other systems.

The cleaning of the ceiling is also quick.

The metal panels combine the typical functionality of modular ceilings with an elegant and modern look.

MAIN ADVANTAGES

- The solution allows easy and quick access to the technical compartment above the false ceiling;
- The panels can be easily disassembled and cleaned;
- The system allows easy repositioning of the panels to change the layout of the rooms;
- The panels can be made in the acoustic version with micro-perforated sheet metal and TNT acoustic fleece (non-woven fabric).

AVAILABLE FORMATS

Planks

600x600

Right angle 90° or bevelled 45°

Blind or perforated panels

WEIGHTS AND MATERIALS

- Aluminium 5/10 – 1,40 kg/sqm
- Aluminium 6/10 – 1,70 kg/sqm
- Aluminium 7/10 – 2,00 kg/sqm
- Steel 5/10 – 4,00 kg/sqm
- Steel 6/10 – 4,80 kg/sqm

*Theoretical weights for standard unperforated tiles

COLOR COLLECTION

The T24 ceiling system panels are available in these finish categories:

- Pre-painted sheet;
- Post-powder coated sheet;
- Pre-plasticized sheet.

For further product customization, it is possible to request panels decorated with digital / sublimation printing.

PERFORATIONS

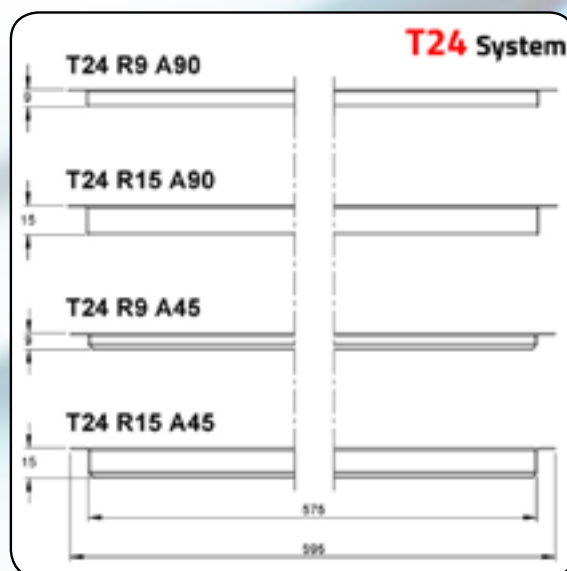
The false ceiling panels can be supplied in blind or perforated sheet metal.

Where necessary, a sound-absorbing layer in non-woven fabric can be applied.

POSSIBLE APPLICATIONS

These panel ceilings are suitable for many different uses such as:

- Airports, metro, bus and railway stations;
- Recreational and accommodation facilities;
- Public spaces;
- Health and school buildings.







MED SYSTEM

The **MED ceiling system** consists of metal panels supported by a **hidden modular structure**, recommended for use in a healthcare / hospital environment.

The use of the tubular profile as a load-bearing element makes the structure **remarkably robust**.

Between the panels there is a gasket that **prevents air leakage**.

MAIN ADVANTAGES

- Ease of cleaning;
- Low permeability to the passage of air;
- Flexibility and ease of assembly;
- Strength of the structure;
- Available version with antimicrobial treatment, specific for hospitals.

AVAILABLE FORMATS

Planks

400×400 | 550×550 | 600×600 | 625×625 mm

Tiles

600×1200 | 300×1200 | 300×1500 mm
400×1000 | 400×1200 | 400×1500 mm
Other dimensions on request within the limits of the line:

Minimum width: 150 mm

Maximum length: 3000 mm

Right angle 90° or bevelled 45°

WEIGHTS AND MATERIALS

- Aluminium 5/10 – 1,60 kg/sqm
- Aluminium 6/10 – 1,95 kg/sqm
- Aluminium 7/10 – 2,25 kg/sqm
- Steel 5/10 – 4,60 kg/sqm
- Steel 6/10 – 5,55 kg/sqm

*Theoretical weights for standard tiles

COLOR COLLECTION

These finishing categories are available:

- Pre-painted sheet;
- Post-powder coated sheet;
- Pre-plasticized sheet.

For further product customization, it is possible to request panels decorated with digital / sublimation printing.

ANTIMICROBIAL TREATMENT

The panels can be supplied in **antimicrobial version**, tested according to **ISO 22196 | JIS Z 2801-2010**

POSSIBLE APPLICATIONS

Some possible applications of this system are:

- Healthcare buildings: hospitals, clinics;
- Clean rooms;
- Laboratories and analysis centres.







MARINE SYSTEM

The MARINE ceiling system consists of metal panels supported by a particularly **simple and robust hidden structure**, designed for **use on boats**.

The system guarantees excellent flatness of the surfaces, maximum flexibility of use and durability of the product. The alignment of the panels and their anchoring to the structure remains constant even when the system is subject to the oscillations that occur during navigation.

MAIN ADVANTAGES

- Ease of cleaning;
- Flexibility and ease of assembly;
- Possibility to inspect the technical compartment above in case of maintenance;
- Ability to perform any drilling during production for the passage of pipes or for the installation of ceiling devices, such as: sprinklers, speakers, ceiling lights ...

AVAILABLE FORMATS

Planks

400×400 | 550×550 | 600×600 | 625×625 mm

Tiles

600×1200 | 300×1200 | 300×1500 mm
400×1000 | 400×1200 | 400×1500 mm
Other dimensions on request within the limits of the line:
Minimum width: 150 mm
Maximum length: 3000 mm

Right angle 90° or bevelled 45°

WEIGHTS AND MATERIALS

- Aluminium 5/10 – 1,60 kg/sqm
- Aluminium 6/10 – 1,95 kg/sqm
- Aluminium 7/10 – 2,25 kg/sqm

- Steel 5/10 – 4,60 kg/sqm

- Steel 6/10 – 5,55 kg/sqm

*Theoretical weights for standard unperforated tiles

COLOR COLLECTION

The panels of the MARINE ceiling system are available in these finish categories:

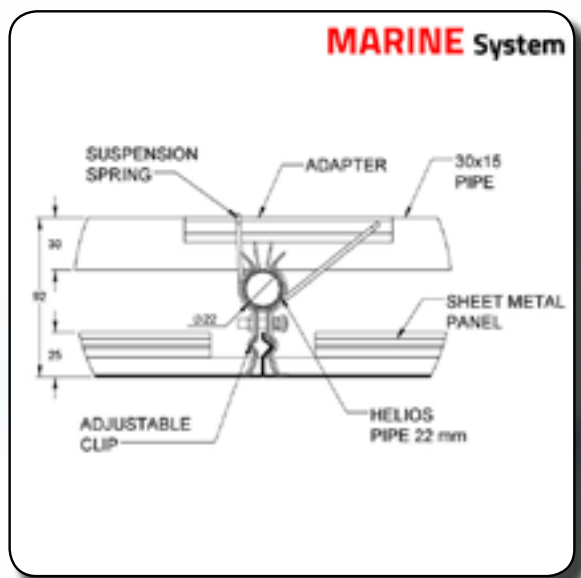
- Pre-painted sheet;
- Post-powder coated sheet;
- Pre-plasticized sheet.

For further product customization, it is possible to request panels decorated with digital / sublimation printing.

PERFORATIONS

The false ceiling panels can be supplied in blind or perforated sheet metal.

Where necessary, a sound-absorbing layer in non-woven fabric can be applied.





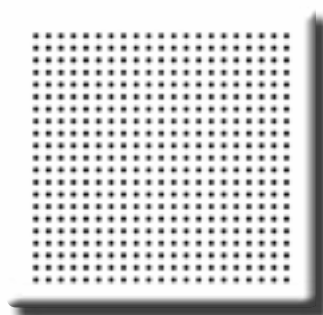


PERFORATIONS

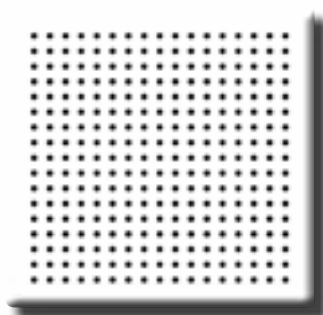
The false ceiling panels can be supplied if there are specific aesthetic or functional needs, even in perforated sheet metal. The false ceilings made with perforated sheet metal panels allow to obtain excellent results in terms of **sound absorption** and **noise reduction**: they are therefore recommended in environments with high noise, such as offices, production departments, railway stations and terminals.

PARALLEL

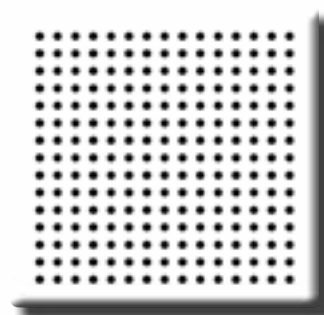
▶ Ø1,5 - 4x4 - 90°
Open area: 11%



▶ Ø1,8 - 5x5 - 90°
Open area: 10%



▶ Ø2,5 - 5,7x5,7 - 90°
Open area: 15%

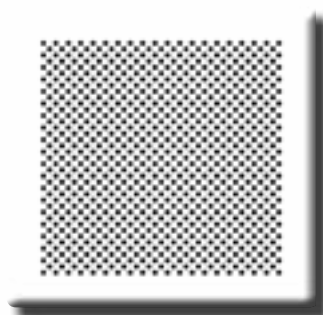


▶ Ø2,5 - 5,3x5,3 - 90°
Open area: 17%



DIAGONAL

▶ Ø1,5 - M2,8 - 45°
Open area: 22%



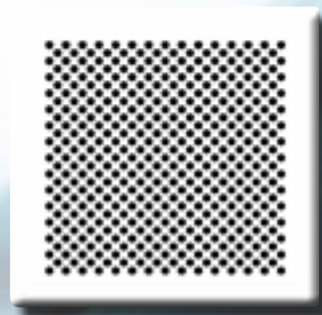
▶ Ø1,8 - M3,54 - 45°
Open area: 20,3%



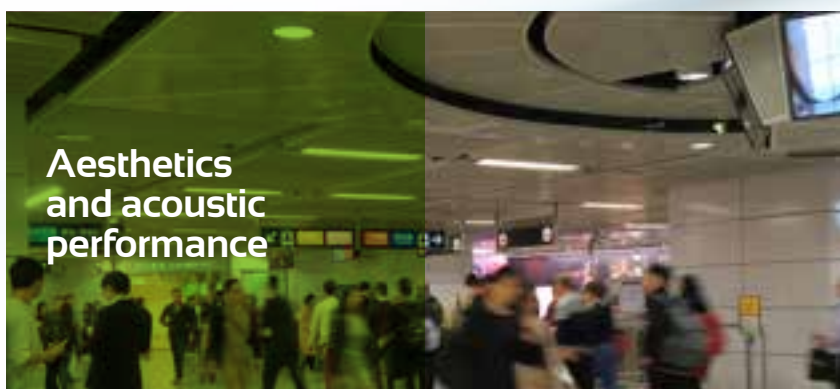
▶ Ø2,5 - M4,09 - 45°
Open area: 29,2%



▶ Ø2,5 - M3,74 - 45°
Open area: 34,9%



Aesthetics
and acoustic
performance



COLOR COLLECTION

The standard color table is shown below.
Other colors can be made on customer request or on sample.

 PREPAINTED		 POWDER COATED		
▶ RAL 9001	▶ RAL 9003	▶ RAL 9010	▶ RAL 9005	▶ RAL 9006
				
 PVC COATED				
▶ WHITE	▶ LIGHT GREY	▶ MEDIUM GREY	▶ DARK GREY	▶ SILVER
				
 DECORATED				
▶ CONCRETE	▶ TISSUE	▶ JEANS	▶ LEATHER	▶ STUCCO
				

It is possible to request ceiling panels decorated by sublimation and digital printing, obtaining faithful reproductions of images and natural materials such as wood, marble, stone, or satin effects or geometric textures.



TECHNICAL FEATURES

Flexural strength (EN 13964)

Maximum width 1200 mm

Class 1

Corrosion resistance

Galvanized steel: class C2

Pre-painted galvanized steel: class C3

Powder coated steel: class C4

Galvanized steel: class C2

Pre and post painted aluminium: class C5

Moisture resistance (RH%)

Galvanized steel: $\leq 90\%$

Pre-post painted galvanized steel: $> 90\%$

Stainless steel and aluminium: $> 90\%$

Reaction to fire (EN 13501-1)

Structure: A1

Blind panels: A1

Perforated panels with acoustic fleece: A2 (s1, d0)

Light reflection (ISO 7724-2 / 3)

Smooth glossy white: up to 85%

Color stability (ISO 7724-2 / 3)

Indoor exposure: modest color variation over time

Tests carried out according to the ΔE - CIELab method

Dimensional tolerance

Width: ± 1 mm

Length: ± 2 mm

Cleaning

Cloth moistened with warm water. Do not use aggressive - abrasive detergents

Fixing elements

The fixings must be checked with respect to the load, the characteristics of the anchoring base and the correctness of the installation, in order not to compromise the stability of the false ceiling system.

Unless expressly specified, lighting bodies, accessories and systems must not burden the false ceiling system.

Durability (EN 13964)

Painted panels: class C

Galvanized panels: class B

ENVIRONMENTAL COMPATIBILITY



Release of harmful substances

Not present
CAM 2.4.1.3
EN13964



Formaldehyde

Low emission
Class E1



Disposal

Steel - Aluminium
100% recyclable
CAM 2.4.1.1
No harmful slag in accordance with CAM 2.5.1.





NAV SYSTEM
Plain planks 1200x600mm



T24 SYSTEM
Plain tiles 600x600mm



CLIP-IN SYSTEM
Plain planks 2000x500mm



CLIP-IN SYSTEM
Perforated tiles 600x600mm



CLIP-IN SYSTEM
Plain tiles 625x625mm



MED SYSTEM
Plain tiles 1500x600mm



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Scan to add the contact to the
address book:



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CERTIFICATE No. 36496/18/S