

THU ceiling solutions



THU

ceiling
solutions

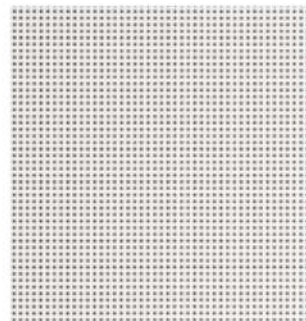
ALL ABOUT
METAL, ACOUSTIC
AND ACCESSIBLE
CEILING
SOLUTIONS

INDEX



04/ COMPANY PROFILE

04/ Introduction



08/ SECTORS & FEATURES

08/ Features



10/ METAL PANELS

12/ Panel Sicilia CLIP-IN
18/ Panel Modena T24
24/ Panel Parma T15
30/ Panel Roma
36/ Panel Murano
42/ Panel Capri
48/ Stave Veneto
52/ Stave Treviso
56/ Stave Venezia
60/ Stave Verona
62/ Stave Italia 30
64/ Open cell Milan



70/ NONMETALLIC CEILINGS

72/ Troldekt Chipboard
Acoustic Panel

76/ Vinyl Panel

78/ Mineral Fibre



82/ CEILINGS SPECIAL DIMENSIONS

82/ Projects



84/ CEILING PROFILES

84/ Profiles



86/ PLASTERBOARD PROFILES

86/ Ceilings

87/ Partitions

EXPERIENCE, COMMITMENT AND NEW APPROACHES TO CEILING AND PROFILE SOLUTIONS

THU is a company based in Valencia with more than 25 years experience within the national and international market dedicated to the **manufacturing of metallic ceilings , partition profiles and T profiles .**

Our philosophy is always based on quality and customer service. At THU our Quality Management system is based on the ISO 9001 standard, which has been in place at our company since 2006, together with a number of other quality certificates (AENOR, NF, etc.) All our products hold **certificates issued by accredited laboratories** and comply with the strictest UNE standards to obtain CE

markings. All this, combined with excellent service and highly competitive prices enable us to guarantee **maximum satisfaction for our customers.**

In 2015, THU was majority acquired by the Valencia based GRUPO ZRISER company, whose investment strategy and distribution of assets is based on three main areas: the capital markets, property investment and business acquisitions. The acquisition of THU by the Zriser Group has allowed the company to invest in **new product lines and expand our business internationally.**

Our ambition is now to become the Lider in production of Metal

Ceilings and Profile solutions, offer unique quality and value for our customers, and an efficient, competitive and sustainable business model. With this catalogue we aim to present our full range of products designed to provide **functional and decorative solutions** for creating ambient and original spaces. The trust shown by our customers over more than 25 years in the ceiling business is a clear sign of the **effort and commitment** to customer service on the part of our organization, which is now expanding it's presence on the ever more demanding national and international markets.

THU
ceiling
solutions

THE ENVIRONMENT

At THU we continually work towards reducing our ecological footprint to the maximum. Our products are designed with **100% recyclable materials** such as steel and aluminium. In addition our manufacturing processes employ up to **25% recyclable material**, and we recover the waste products generated to reincorporate them into the production cycle. We use **100% renewable energy sources** in our manufacturing processes. In our non-metallic products, such as chipboard ceilings, we only use wood from **certified sustainable forests**, again demonstrating THU's commitment to the environment. We also employ 100% recycled and recyclable products for packaging, and use the minimum quantity possible to ensure compliance with the three r's: **Reduce, Reuse & Recycle**. Finally we would highlight production in Spain, which considerably reduces the transport of the product and fossil fuel requirements.

REACTION TO FIRE

All our products have been classified under **UNE-EN 13501-1** regulations. Our pre-lacquered and lacquered products have a **Euroclass A2-s1,d0** fire rating: non-combustible product (without contribution to fire), with a low smoke emission and zero production of inflammable droplets or particles. The non-lacquered products belong to **Euroclass A1**: no contribution to fire.

QUALITY

THU performs exhaustive quality control testing on our products in accordance with **ISO 9001** standards. Service quality is monitored from the moment we receive an order through to delivery, in order to ensure constantly improved customer service. Our guarantee is endorsed by the following certifications:

- **ISO 9001 certification** (Quality Management System) administered by Bureau Veritas.
- **AENOR** Spanish Quality standard certification
- **CSTB** (the Scientific and Technical Centre for Building) official French certification.
- **CE marking** in accordance with European Construction Products Standard No. 305/2011 administered by Bureau Veritas.
- Products and systems conform to **C.T.E** Spanish Construction Code standards.

ACOUSTIC COMFORT

We understand that noise can be one of the main sources of contamination within the workplace, in both industrial environments as well as office spaces. Serious hearing damage as a result may be unusual, however even lower levels can cause problems for employees subjected to noise, such as psychological or physiological disorders, distraction and interference with communications.

For this reason we at **THU** put **great emphasis on acoustic comfort**, or maintaining a sound level which ensures against health problems and discomfort.

ACOUSTIC INSULATION

Noise produced by whatever source will spread in all directions and may either directly reach the receptor or be partially absorbed, transmitted or reflected by the obstacles in its path.

Sound is transmitted through the air and spreads around buildings via enclosed surfaces (partitions, ceilings, floors etc.)

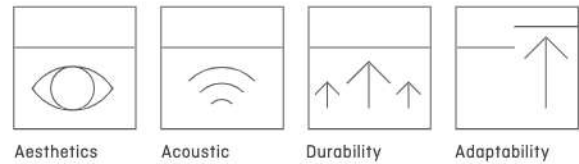
Thanks to the acoustic insulation of our products, with high acoustic absorption coefficients (α_w), we achieve the objective of minimizing the transmission of sound waves through them.





Likewise the noise reduction coefficient (NRC) determines the quantity of sound a surface will absorb. This is obtained through calculating the average acoustic absorption coefficients at different standard frequencies.

As a result of all this, and thanks to the exceptional acoustic qualities of our products, we successfully achieve **reverberation times suited to rooms for a wide range of uses**.










SECTORS & FEATURES











| | |
|---|---|
| BUSINESS | |
| Areas Shops Supermarkets Large Petrol station surfaces Hairdressing salons Banks | Properties     Aesthetics Acoustic Durability Adaptability |
| Recommended products Veneto page 48 Verona page 60 Italia 30 page 62 Milan page 64 Modena page 18 Parma page 24 Vinyl page 76 Chipboard page 72 | |

| | |
|--|--|
| EDUCATIONAL SECTOR | |
| Areas Classrooms Libraries Auditoriums Hallways Dining rooms | Properties    Acoustic Durability Adaptability |
| Recommended products Treviso page 52 Venezia page 56 Sicilia page 12 Modena page 18 Parma page 24 Roma page 30 Murano page 36 Capri page 42 Fibra Mineral page 78 Viruta de Madera page 72 | |

| | |
|--|---|
| LEISURE SECTOR | |
| Areas Cafeterias Restaurants Cinemas Theatres Swimming pools Gyms | Properties     Aesthetics Acoustic Durability Adaptability |
| Recommended products Treviso page 52 Sicilia page 12 Modena page 18 Parma page 24 Roma page 30 Murano page 36 Capri page 42 Fibra Mineral page 78 Viruta de Madera page 72 | |

| | |
|---|--|
| OFFICES | |
| Areas Reception Offices Meeting rooms Hallways Cafeterias | Properties <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Aesthetics </div> <div style="text-align: center;">  Acoustic </div> <div style="text-align: center;">  Adaptability </div> </div> |
| Recommended products Treviso page 52 Venezia page 56 Sicilia page 12 Modena page 18 Parma page 24 Roma page 30 Murano page 36 Capri page 42 Fibra Mineral page 78 Viruta de Madera page 72 | |

| | |
|---|--|
| HEALTH SECTOR | |
| Areas Hospitals Clinics Offices Waiting rooms Hallways Pharmacies | Properties <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Aesthetics </div> <div style="text-align: center;">  Acoustic </div> <div style="text-align: center;">  Durability </div> <div style="text-align: center;">  Adaptability </div> </div> |
| Recommended products Treviso page 52 Sicilia page 12 Modena page 18 Parma page 24 Roma page 30 Murano page 36 Capri page 42 | |

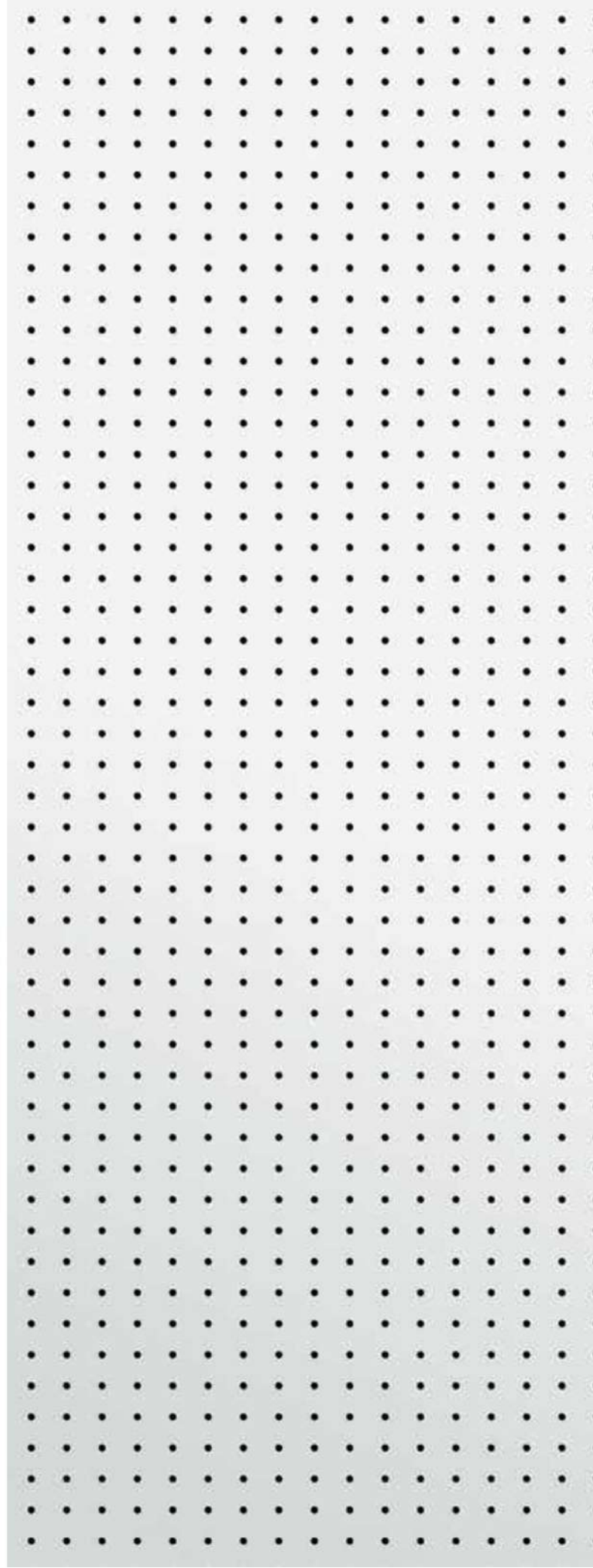
| | |
|---|--|
| TRANSPORTS | |
| Areas Foyers Waiting rooms Restaurants Cafeterias | Properties <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Aesthetics </div> <div style="text-align: center;">  Acoustic </div> <div style="text-align: center;">  Durability </div> <div style="text-align: center;">  Adaptability </div> </div> |
| Recommended products Treviso page 52 Venezia page 56 Verona page 60 Italia 30 page 62 Milan page 64 Sicilia page 12 Modena page 18 Parma page 24 Roma page 30 Murano page 36 Capri page 42 | |

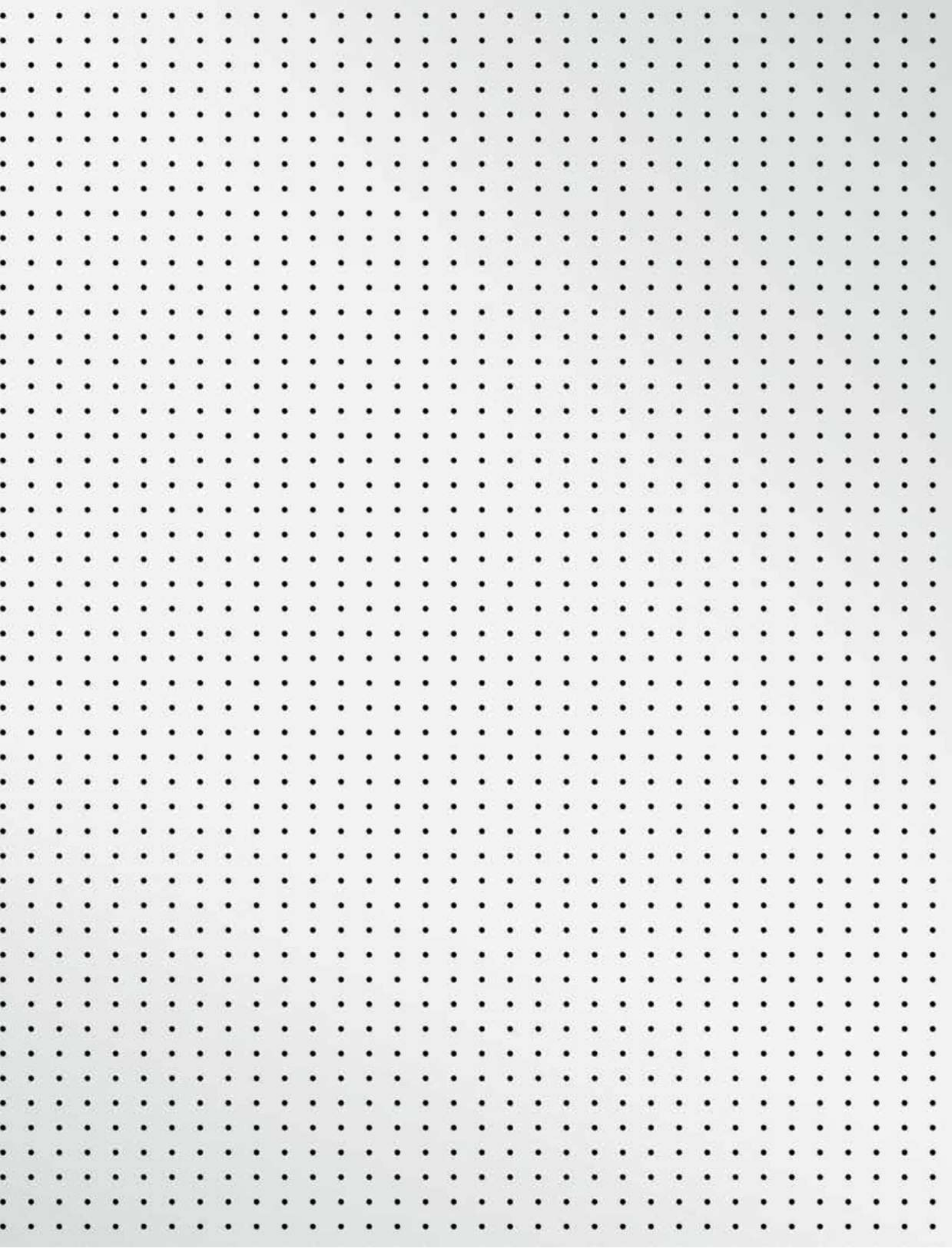
METALLIC CEILINGS

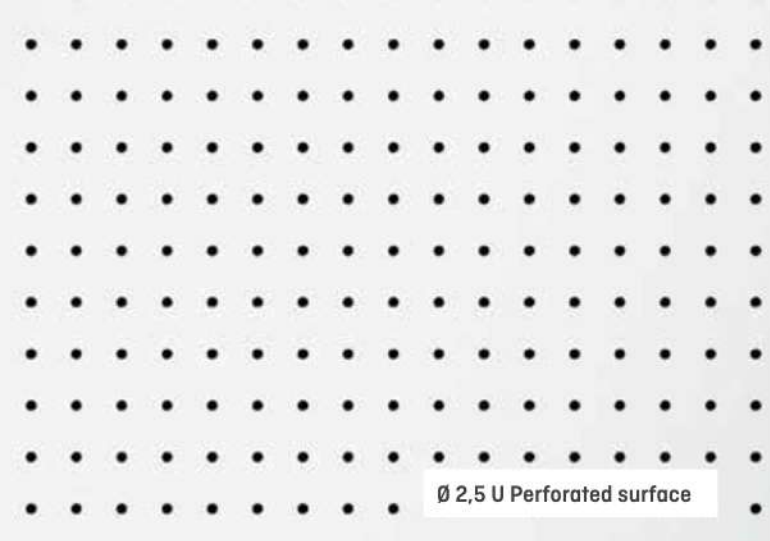
The wide range of metallic ceilings presented below, can be used to create anything from simple and functional spaces to more elegant and innovative designs. The materials used in our ceilings have many advantages, from durability to ease of maintenance.

The range of available colours and perforated designs provide aesthetic and acoustic insulation options for all types of premises. In the following chapter we will present our full range of ceiling models allowing you to choose the style best suited to your needs.

In order to ensure perfect installation of THU metallic ceilings and optimum results and a quality finish we recommend the use of THU ceiling profiles.







Ø 2,5 U Perforated surface



Plain surface

01/

Sicilia Clip-In Panel

The **Sicilia Clip-In** ceiling model provides a continuous space thanks to the THU concealed profile system. There are three main grid formats available in 600 x 600 mm, 600 x 1200 and 1200 x 300 mm sizes. These allow adaptation to a variety of different environments. The easy adjustment **allows access for all types of installation.**

The various perforation specifications available allow acoustic conditions for all types of space, and the addition of acoustic fleece or mineral fibre completes the effectiveness of the system. The sheets are manufactured using **galvanized pre-lacquered steel or galvanized pre-lacquered aluminium** offering excellent resistance and durability.

In addition, there is a whole **range of available colours allowing you to personalize your space**, and produce original combinations and striking and modern aesthetic designs.



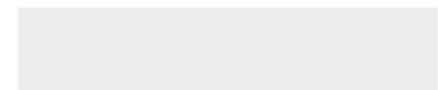
01/

Sicilia Clip-In Panel

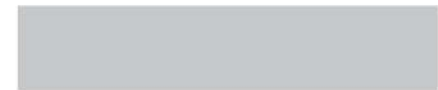
FORMATS

| MODEL | PANEL | | BOX | |
|--------------------------|------------|--|----------------|-------|
| | mm | | m ² | units |
| Plain pre-lacquered | 300 x 1200 | | 3,6 | 10 |
| | 600 x 600 | | 3,6 | 10 |
| | 600 x 1200 | | 5,76 | 8 |
| Perforated pre-lacquered | 300 x 1200 | | 3,6 | 10 |
| | 600 x 600 | | 3,6 | 10 |
| | 600 x 1200 | | 5,76 | 8 |
| Complements | 100 x 100 | | | 20 |
| | 100 x 600 | | | 18 |
| | 100 x 1000 | | | 16 |
| | 100 x 1200 | | | 12 |
| | 300 x 300 | | | |
| | 300 x 600 | | | |
| | 300 x 900 | | | |

COLOURS

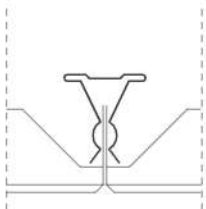


White 9010

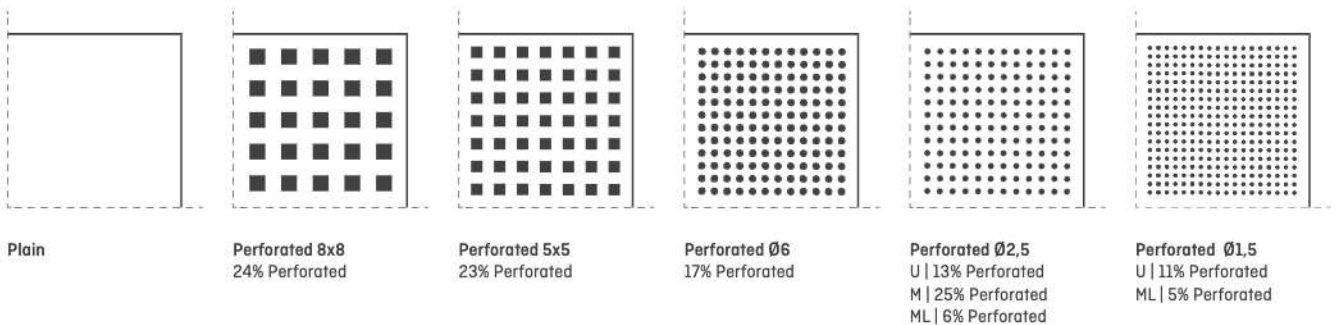


Silver 9006

Other colours on request



PRESENTATION



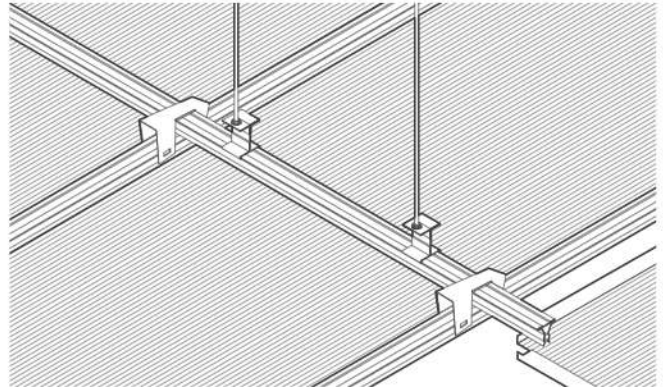
Panels formed by folding, manufactured in pre-lacquered galvanized steel, of 0.50 mm thickness. 0.60mm aluminium option also available. All panels are supplied with protective adhesive film.

Pre-lacquered panels in Polyester with a minimum coat thickness of 25 microns, in White (RAL 9010) or Silver (RAL 9006). This type of finish is characterized by its high durability and resistance to corrosion (retaining its colour and bright appearance).

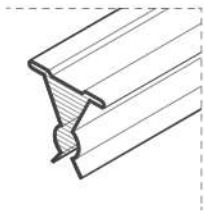
Sicilia Clip-In Panel

ASSEMBLY

The metallic panels fit into triangular shaped profiles which are fixed to the upper structure the upper structure by means of a system of screw-in connecting rods. The hanger brackets fit together as a guide over the triangular THU profiles, remaining concealed to produce a continuous and adjustable ceiling.



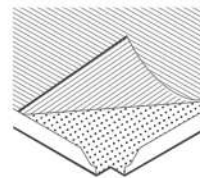
ACCESSORIES



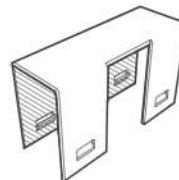
Triangular profile
Suspension system for the Sicilia panels. The triangular profile, holds the panels together and remains concealed (clip-in system)



Hanger bracket
Hanger bracket for the triangular profile designed for use with screw-in support rods. Placed as guide over the triangular profile.



Acoustic fleece
0.2mm thick acoustic fleece which prevents the buildup of dust and dirt. Fixed to the inside face by thermal activation.



Crossbrace
Metallic piece used as a join between the upper and lower triangular profiles which allows the sliding of the latter underneath the former to facilitate the assembly of the panels.



Data sheet



Assembly manual

MATERIAL BREAKDOWN

| MODEL | Type | Units per m ² |
|------------------|------------------|--------------------------|
| Panel 600x600 mm | Panels | 2,80 units |
| | Triangle profile | 2,45 ml |
| | Crossbrace | 1,15 units |
| | Hanger brackets | 0,70 units |

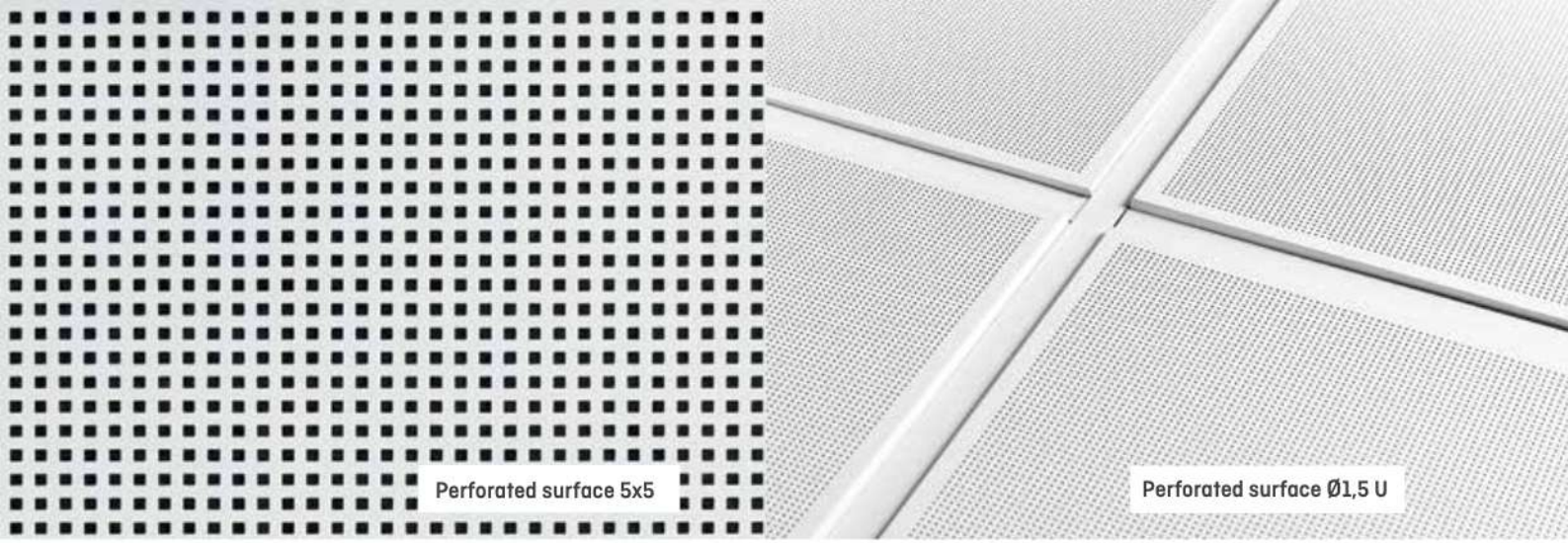
| MODEL | Type | Units per m ² |
|-------------------|------------------|--------------------------|
| Panel 300x1200 mm | Panels | 2,80 units |
| | Triangle profile | 1,65 ml |
| | Crossbrace | 0,60 units |
| | Hanger brackets | 0,70 units |

| MODEL | Type | Units per m ² |
|-------------------|------------------|--------------------------|
| Panel 600x1200 mm | Panels | 1,39 units |
| | Triangle profile | 1,60 ml |
| | Crossbrace | 0,60 units |
| | Hanger brackets | 0,70 units |

Approximate weight: 3,5 - 4,6 kg /m² depending on the type of perforation

TECHNICAL CHARACTERISTICS

| Complement | Perforation | α _w until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material up to |
|-----------------|-------------|----------------------|-----------------------------|------------------|------------|---------------------------|
| None | Plain | - | - | a2-s1, d0 | Sort B | 25% |
| Acoustic fleece | ∅ 1,5 U | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | ∅ 2,5 U | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| Mineral wool | ∅ 1,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | ∅ 2,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | 0,75 | C | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | 0,85 | B | a2-s1, d0 | Sort B | 25% |



Perforated surface 5x5

Perforated surface Ø1,5 U

02/

Modena T24

Panel

The MODENA T24 system provides an **adjustable metallic ceiling structure supported by the T24**, T-Decor 24 or T-Clip 24 profiles. By adding the flush, beveled (V6) or straight edge (V8) finishes a wide range of decorative results can be produced.

The sheets are manufactured from **galvanized pre-lacquered steel or aluminium**, high quality durable materials that also allow easy cleaning. These structures are **easily adjustable allowing access** for installing lighting, wiring or air conditioning systems, avoiding complex repair and maintenance work.

The sheets can be manufactured in **different colours** from the RAL chart, allowing a whole range of **customized design options**.



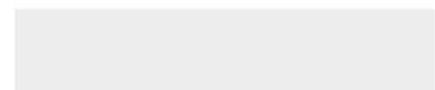
02/

Modena T24 Panel

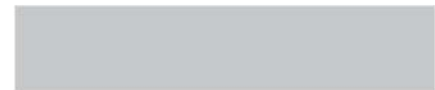
FORMATS

| MODEL | PANEL | | BOX |
|--------------------------|-------|------------|----------------------|
| | | mm | m ² units |
| Plain pre-lacquered | E | 600 x 600 | 7,20 20 |
| | V6 | 600 x 600 | 6,48 18 |
| | V8 | 600 x 600 | 5,76 16 |
| | V8 | 300 x 1200 | 5,76 16 |
| Perforated pre-lacquered | E | 600 x 600 | 7,20 20 |
| | V6 | 600 x 600 | 6,48 18 |
| | V8 | 600 x 600 | 5,76 16 |
| | V8 | 300 x 1200 | 5,76 16 |

COLOURS



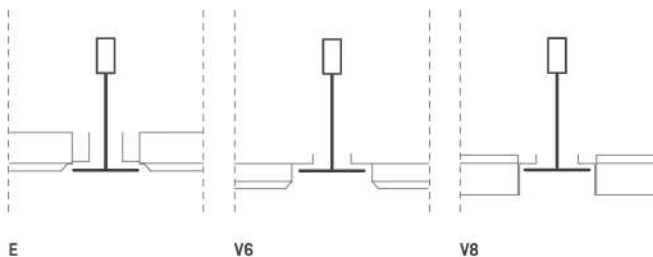
White 9010



Silver 9006

Other colours on request

E = flush
V6 = regular 6mm
V8 = regular 8 mm

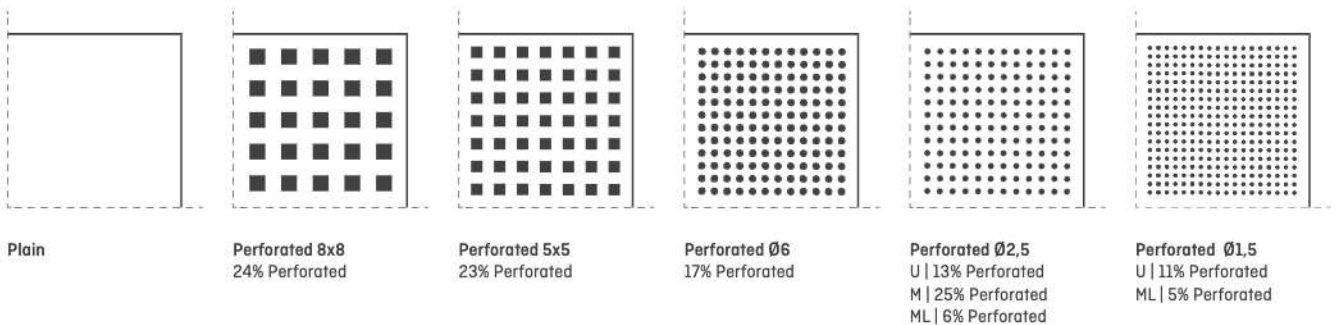


E

V6

V8

PRESENTATION



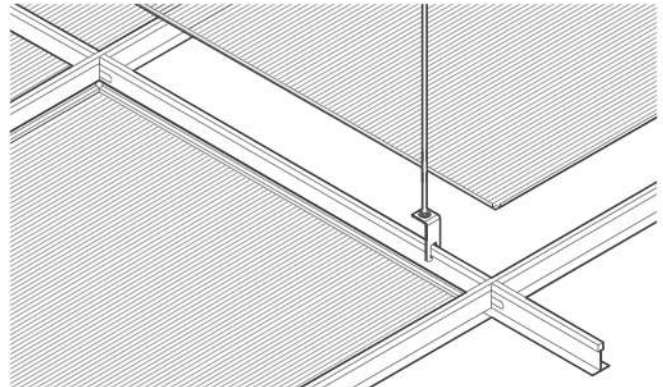
Panels formed by folding, manufactured in pre-lacquered galvanized steel, of 0.50 mm thickness. 0.60mm aluminium option also available. All panels are supplied with protective adhesive film.

Pre-lacquered panels in Polyester with a minimum coat thickness of 25 microns, in White (RAL 9010) or Silver (RAL 9006). This type of finish is characterized by its high durability and resistance to corrosion (retaining its colour and bright appearance).

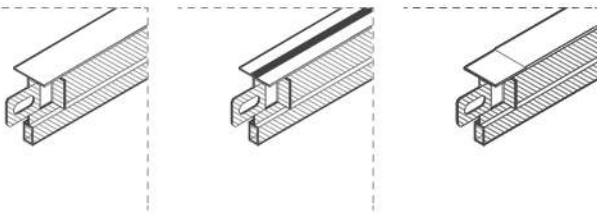
Modena T24 Panel

ASSEMBLY

The secondary profiles are inserted over the primary profiles to form a modular structure which is supported over the framework via screw-in rods joined to the primary profiles by the hanger brackets. Depending on the panel model, these will be supported over the structure, either flush or regular 6 to 8mm below the profile edges.

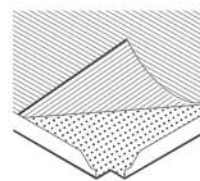


ACCESSORIES



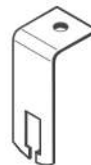
T-24, T-Decor 24, T-Clip 24

Suspension systems composed of primary (3.7 m) and secondary (1.2 and 0.6 m) profiles in a 24 mm base T-shape to form a rectangular structure over which the panels rest. The T-Decor 24 profiles come in two colours where visible and the T-Clip 24 profiles are equipped with an overlap to prevent unevenness in the profiles when assembled.



Acousticfleece

0.2 mm thick acoustic fleece which prevents the build up of dust and dirt. Fixed to the inside face by thermal activation.



Hanger bracket

Piece for joining the profiles to the system's screw-in supporting rod. Placed over the T24, T-Decor 24 or T-Clip 24 primary profiles.



Data sheet



Assembly manual

MATERIAL BREAKDOWN

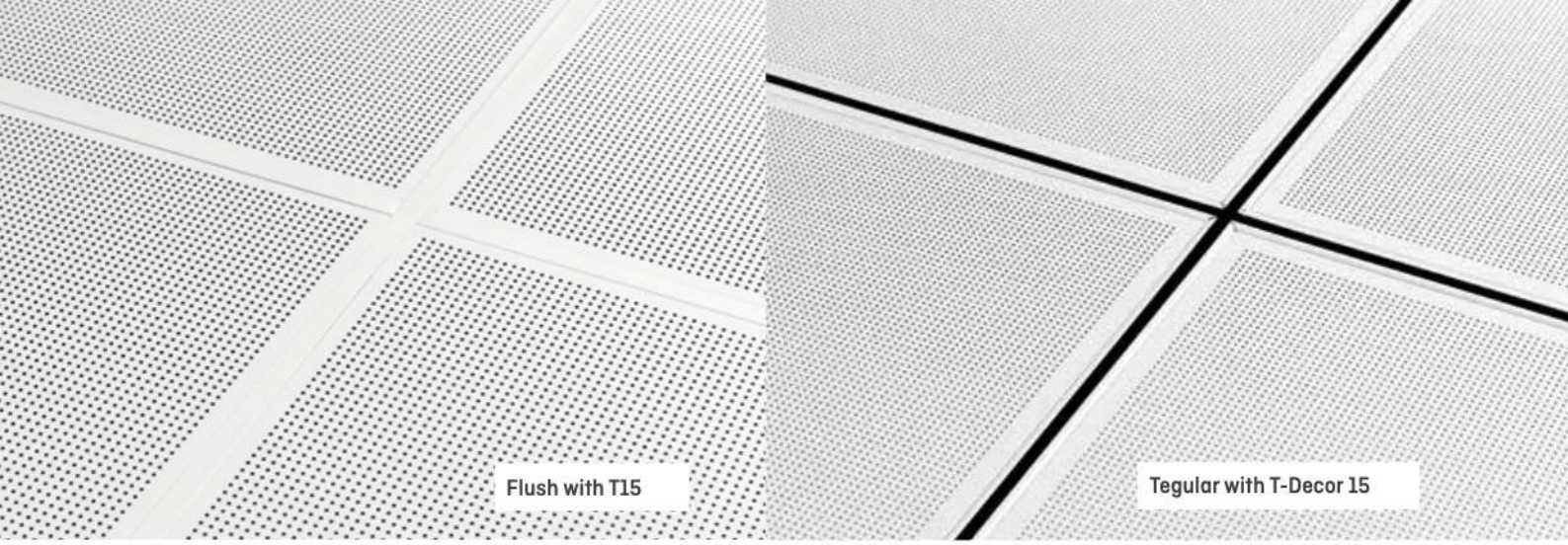
| MODEL | Type | Units per m ² |
|------------------|-------------------------|--------------------------|
| Panel 600x600 mm | Panels | 2,80 units |
| | Primary profile 3,7 m | 0,84 ml |
| | Secondary profile 1,2 m | 1,68 ml |
| | Secondary profile 0,6 m | 0,84 ml |
| | Hanger brackets | 0,90 units |

| MODEL | Type | Units per m ² |
|-------------------|-------------------------|--------------------------|
| Panel 300x1200 mm | Panels | 2,80 units |
| | Primary profile 3,7 m | 0,84 ml |
| | Secondary profile 1,2 m | 3,35 ml |
| | Hanger brackets | 0,90 units |

Approximate weight: 3,5 - 4,6 kg /m² depending on the type of perforation
4 Hanger brackets in a 3,7 metres primary profile

TECHNICAL CHARACTERISTICS

| Complement | Perforation | α _w until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material up to |
|-----------------|-------------|----------------------|-----------------------------|------------------|------------|---------------------------|
| None | Plain | - | - | a2-s1, d0 | Sort B | 25% |
| Acoustic fleece | ∅ 1,5 U | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | ∅ 2,5 U | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| Mineral wool | ∅ 1,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | ∅ 2,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | 0,75 | C | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | 0,85 | B | a2-s1, d0 | Sort B | 25% |



Flush with T15

Tegular with T-Decor 15

03/

Parma T15

Panel

The PARMA 15 provides an **adjustable metallic ceiling structure supported by the T15**, T-Clip 15 and T-Decor 15 profiles. By adding the flush, tegular beveled edges (V6) or straight edges (V8) finishes a wide **range of combinations** and decorative finishes can be produced.

The sheets are manufactured from **galvanized pre-lacquered steel or aluminium**, high quality durable materials that also allow **easy cleaning**. The sheets can be manufactured in **different colours** from the RAL chart, allowing a whole range of **customized design options**.

These structures are easily adjustable, allowing access for installing lighting, wiring or air conditioning systems, avoiding complex repair and maintenance work



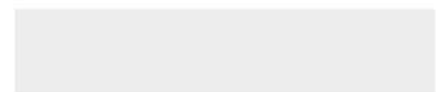
03/

Parma T15 Panel

FORMATS

| MODEL | PANEL | | BOX |
|--------------------------|-------|------------|----------------------|
| | | mm | m ² units |
| Plain pre-lacquered | E | 600 x 600 | 7,20 20 |
| | V6 | 600 x 600 | 6,48 18 |
| | V8 | 600 x 600 | 5,76 16 |
| | V8 | 300 x 1200 | 5,76 16 |
| Perforated pre-lacquered | E | 600 x 600 | 7,20 20 |
| | V6 | 600 x 600 | 6,48 18 |
| | V8 | 600 x 600 | 5,76 16 |
| | V8 | 300 x 1200 | 5,76 16 |

COLOURS



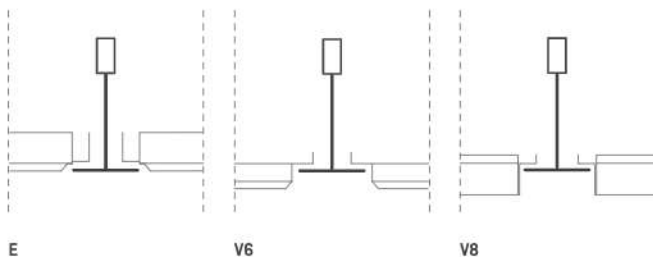
White 9010



Silver 9006

Other colours on request

E = flush
V6 = regular 6mm
V8 = regular 8 mm

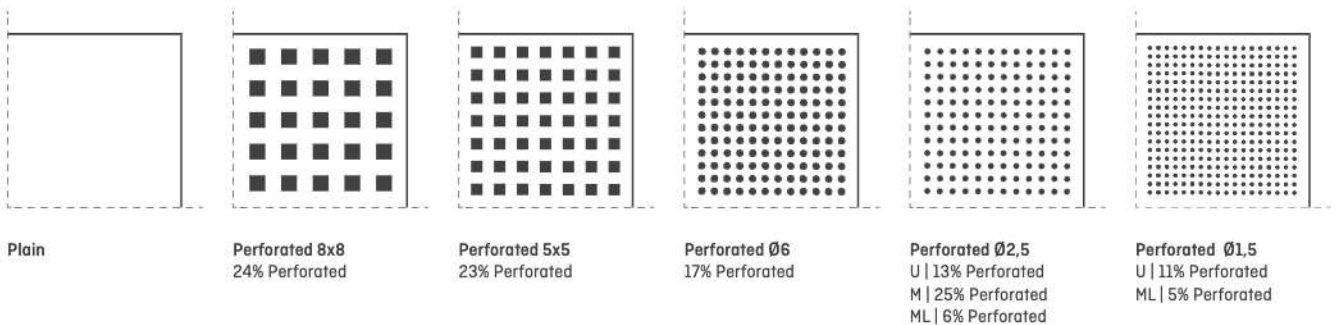


E

V6

V8

PRESENTATION



Panels formed by folding, manufactured in pre-lacquered galvanized steel, of 0.50 mm thickness. 0.60mm aluminium option also available. All panels are supplied with protective adhesive film.

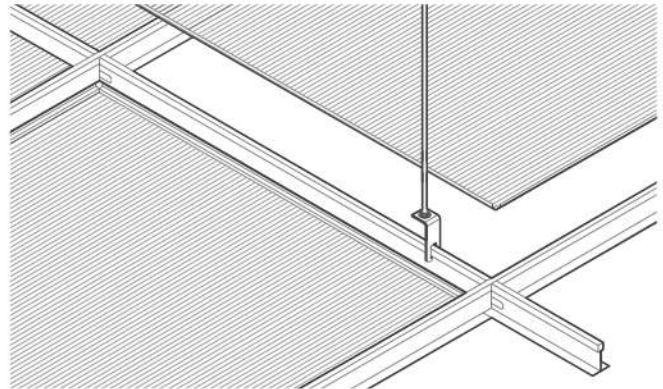
Pre-lacquered panels in Polyester with a minimum coat thickness of 25 microns, in White (RAL 9010) or Silver (RAL 9006). This type of finish is characterized by its high durability and resistance to corrosion (retaining its colour and bright appearance).

03/

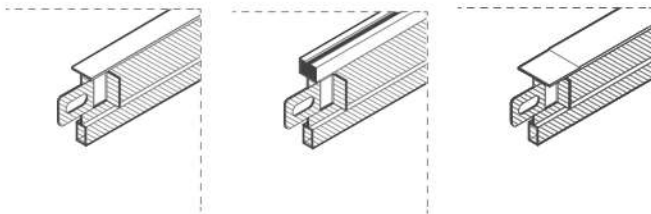
Parma T15 Panel

ASSEMBLY

The secondary profiles are inserted over the primary profiles to form a modular structure which is supported over the framework via screw-in rods joined to the primary profiles by the hanger brackets. Depending on the panel model, these will be supported over the structure, either flush or regular 6 to 8mm below the profile edges.

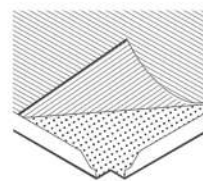


ACCESSORIES



T-15, T-Decor 15, T-Clip 15

Suspension systems composed of primary (3.7 m) and secondary (1.2 and 0.6 m) profiles in a 15 mm base T-shape to form a rectangular structure over which the panels rest. The T-Decor 15 profiles come in two colours where visible and the T-Clip 15 profiles are equipped with an overlap to prevent unevenness in the profiles when assembled.



Acoustic fleece

0.2 mm thick acoustic fleece which prevents the buildup of dust and dirt. Fixed to the inside panel face by thermal activation.



Hanger bracket

Hanger bracket for the triangular profile designed for use with screw-in support rods. Placed as guide over the T15, T-Decor 15 and T-Clip 15 primary profiles.



Data sheet



Assembly manual

MATERIAL BREAKDOWN

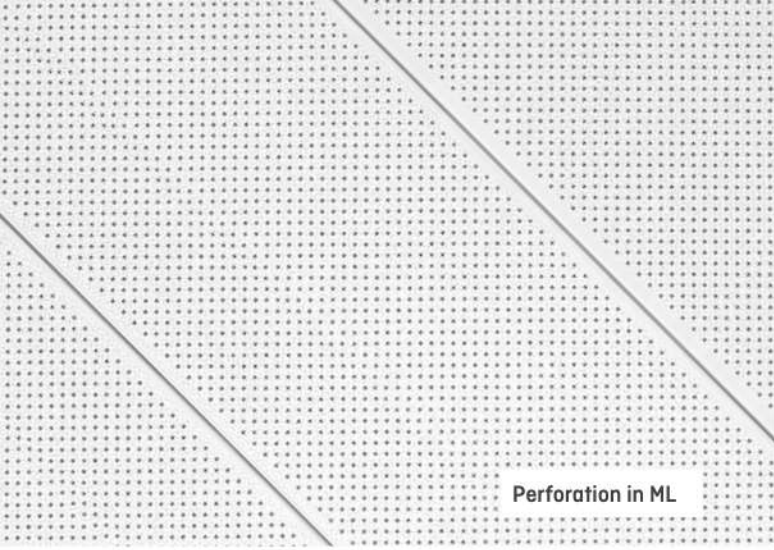
| MODEL | Type | Units per m ² |
|------------------|-------------------------|--------------------------|
| Panel 600x600 mm | Panels | 2,80 units |
| | Primary profile 3,7 m | 0,84 ml |
| | Secondary profile 1,2 m | 1,68 ml |
| | Secondary profile 0,6 m | 0,84 ml |
| | Hanger brackets | 0,90 units |

| MODEL | Type | Units per m ² |
|-------------------|-------------------------|--------------------------|
| Panel 300x1200 mm | Panels | 2,80 units |
| | Primary profile 3,7 m | 0,84 ml |
| | Secondary profile 1,2 m | 3,35 ml |
| | Hanger brackets | 0,90 units |

Approximate weight: 3,5 - 4,6 kg /m² depending on the type of perforation
4 Hanger brackets in a 3,7 metres primary profile

TECHNICAL CHARACTERISTICS

| Complement | Perforation | α _w until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material up to |
|-----------------|-------------|----------------------|-----------------------------|------------------|------------|---------------------------|
| None | Plain | - | - | a2-s1, d0 | Sort B | 25% |
| Acoustic fleece | ∅ 1,5 U | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | ∅ 2,5 U | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| Mineral wool | ∅ 1,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | ∅ 2,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | 0,75 | C | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | 0,85 | B | a2-s1, d0 | Sort B | 25% |



Perforation in ML



Plain surface

04/

Roma
Panel

The Roma Ceiling Panel is ideal for use in **group spaces and transit areas zones**. This model can be produced in the exact **desired size** for the customer, facilitating both installation and a symmetrical ceiling finish. It is an **easily adjustable continuous ceiling**, allowing access to the interior cavity for maintenance or repair purposes.

It comes in two different widths, 200 and 300 mm, of variable length (maximum 2.5 metres self-supporting) or 6 metres in strips) and the wider version can be perforated for **improved acoustic performance** with the addition of thermo adhesive fleecing.



04/

Roma Panel

FORMATS

| MODEL | PANEL | | BOX |
|------------|----------|----------------|-------|
| | mm | m ² | units |
| Plain | 200 x 28 | - | 10 |
| | 300 x 28 | - | 8 |
| Perforated | 300 x 28 | - | 8 |

COLOURS

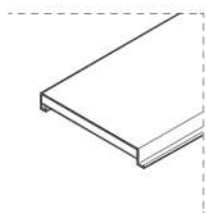


White 9010

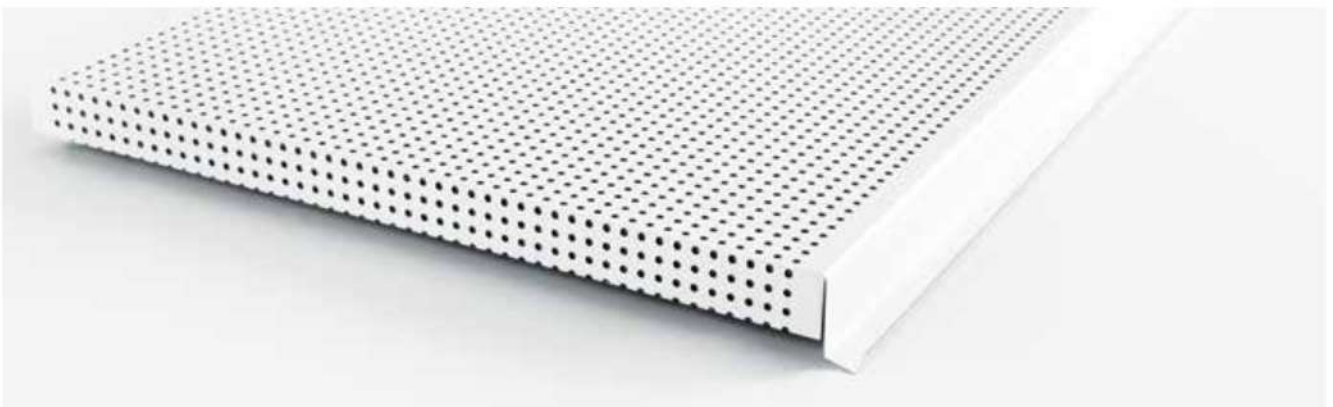
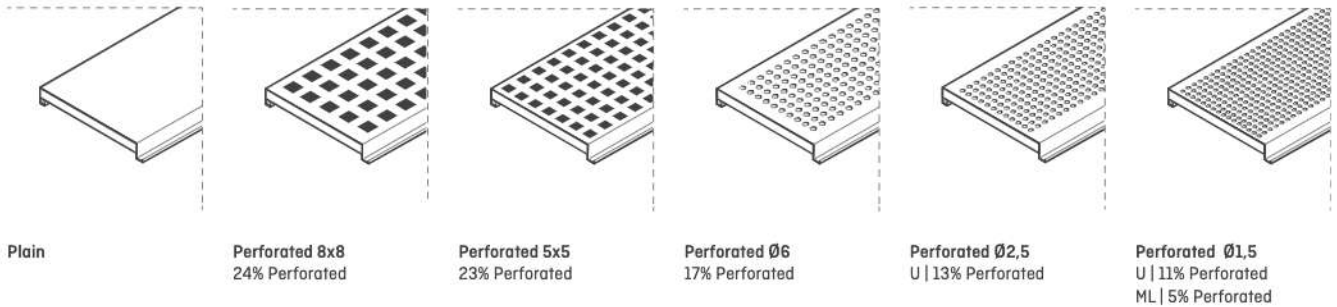


Silver 9006

Other colours on request



PRESENTATION



Panels formed by folding and profiled, manufactured using pre-lacquered galvanized steel or aluminium sheets of 0.50 mm thickness (200 smooth) or 0.60 mm thickness (300) supplied with adhesive protective film.

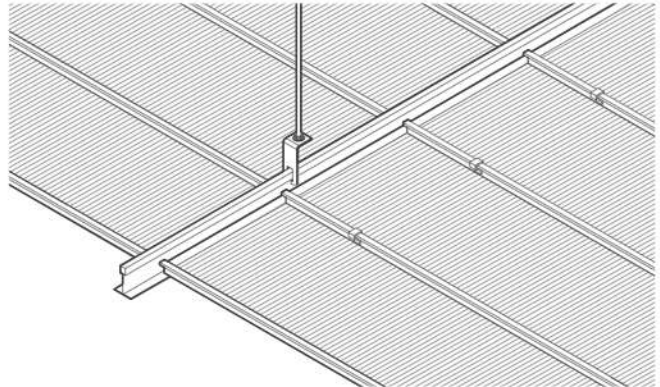
Pre-lacquered panels in Polyester with a minimum coat thickness of 25 microns, in White (RAL 9010) or Silver (RAL 9006). This type of finish is characterized by its high durability and resistance to corrosion (retaining its colour and bright appearance).

04/

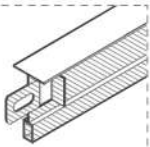
Roma Panel

ASSEMBLY

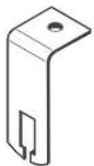
In addition to a hidden strip assembly for larger spaces, an alternative is offered using 24 mm angular profiles. This system allows modules of different measurements according to the dimensions of the space. The primary profiles situated at the desired spacing allow the panels to be supported between them. The panels are joined together using plastic clips for greater resistance.



ACCESSORIES



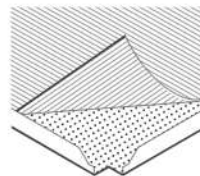
T-24, T-35
Suspension systems for Roma panels comprising primary profiles over which the panels rest. The primary profiles are 3.7m in length.



Hanging piece
Join between the profiles and the system's screw-in supporting rod. Positioned over the T-24 primary profiles.



Join Clip
Plastic clip used for perfect joins between Venezia slats



Acoustic fleece
0.2mm thick acoustic fleece which prevents the build-up of dust and dirt. Fixed to the inside panel face by thermal activation



Data sheet



Assembly manual

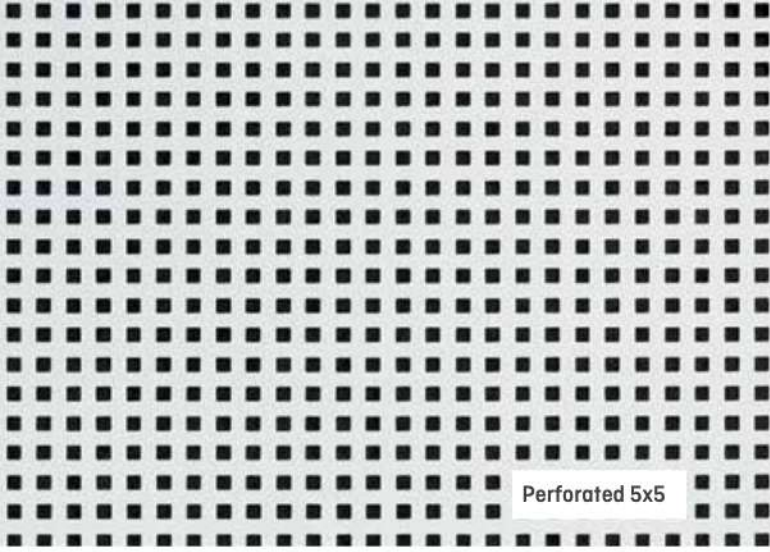
MATERIAL BREAKDOWN

| MODEL | Units per m ² |
|--------------------------|--------------------------|
| Panel Roma 200 mm | 5,00 ml |
| Panel Roma 300 mm | 3,34 ml |
| Panel carrier Roma (d=1) | 1,00 units |
| Units panels join clip | 4,00 units |
| Hanger brackets (d=1) | 1,25 units |

Approximate weight: 4,5 - 5,5 kg /m² depending on the type of perforation

TECHNICAL CHARACTERISTICS

| Complement | Perforation | α_w until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material up to |
|-----------------|-------------|------------------|-----------------------------|------------------|------------|---------------------------|
| None | Plain | - | - | a2-s1, d0 | Sort B | 25% |
| Acoustic fleece | Ø 1,5 U | - | - | a2-s1, d0 | Sort B | 25% |
| | Ø 2,5 U | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | - | - | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | - | - | a2-s1, d0 | Sort B | 25% |
| Mineral wool | Ø 1,5 U | - | - | a2-s1, d0 | Sort B | 25% |
| | Ø 2,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | - | - | a2-s1, d0 | Sort B | 25% |
| | □ 8x8 | - | - | a2-s1, d0 | Sort B | 25% |



Perforated 5x5



Plain surface

05/

Murano
Panel

The Murano Panel is ideal for use in **corridors and transit areas**. This model can be produced in a 300 mm width and a variable length up to 2.5 metres long or in a 600x600mm size with a concealed profile system.

Both models can be **perforated** to improve **acoustic performance** with the addition of a thermal adhesive acoustic fleece or additionally with mineral wool.

This ceiling is characterized by its **easy adaptability** facilitating access for maintenance to electrical wiring or heating/air conditioning installations.



05/

Murano Panel

FORMATS

| MODEL | PANEL | | BOX |
|------------|-----------|----------------|-------|
| | mm | m ² | units |
| Plain | 600 x 600 | 4,8 | 8 |
| | 300 x L.V | - | 8 |
| Perforated | 600 x 600 | 4,8 | 8 |
| | 300 x L.V | - | 8 |

Panel Murano 600 x 600 mm: Finish bezel 45°
Panel Murano 300 mm x L.V.: Finish right angle

COLOURS

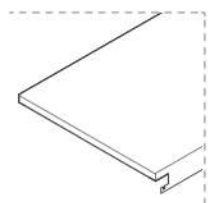


White 9010

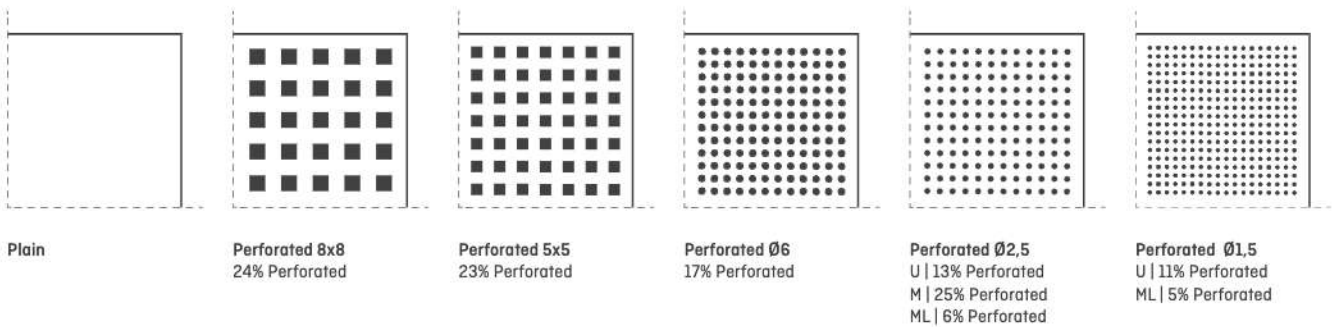


Silver 9006

Other colours on request



PRESENTATION



Panels formed by folding and/or profiled, manufactured using pre-lacquered galvanized steel sheets of 0.50 mm thickness. All panels supplied with adhesive protective film.

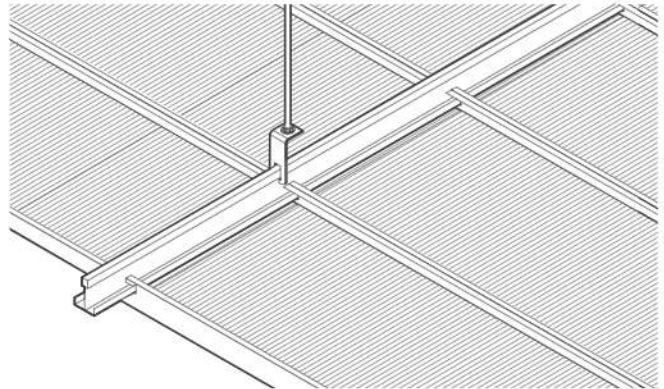
Pre-lacquered panels in Polyester with a minimum coat thickness of 25 microns, in White (RAL 9010) or Silver (RAL 9006). This type of finish is characterized by its high durability and resistance to corrosion (retaining its colour and bright appearance).

05/

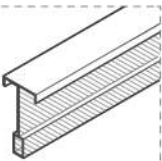
Murano Panel

ASSEMBLY

The Murano panels are installed by inserting the ends into the wings of the Murano profiles, which are suspended from the ceiling via the hanger brackets and are separated between each other by a distance equal to the length of the Panels.

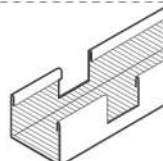


ACCESSORIES



Murano Profile

Main element for supporting the Murano panels. These are 3.70m long and manufactured from galvanized steel. The profiles can be linked together lengthwise via attachment with a clip and the use of conventional hanger brackets (either straight or right angles) to support them from the upper framework.



Spacer profile

Concealed profile designed to stabilize the primary profiles of the adjustable frame.



Hanger bracket

Part for joining the profiles and the screw-in rod for the support of the system. Attached onto the Murano profiles.



Data sheet



Assembly manual

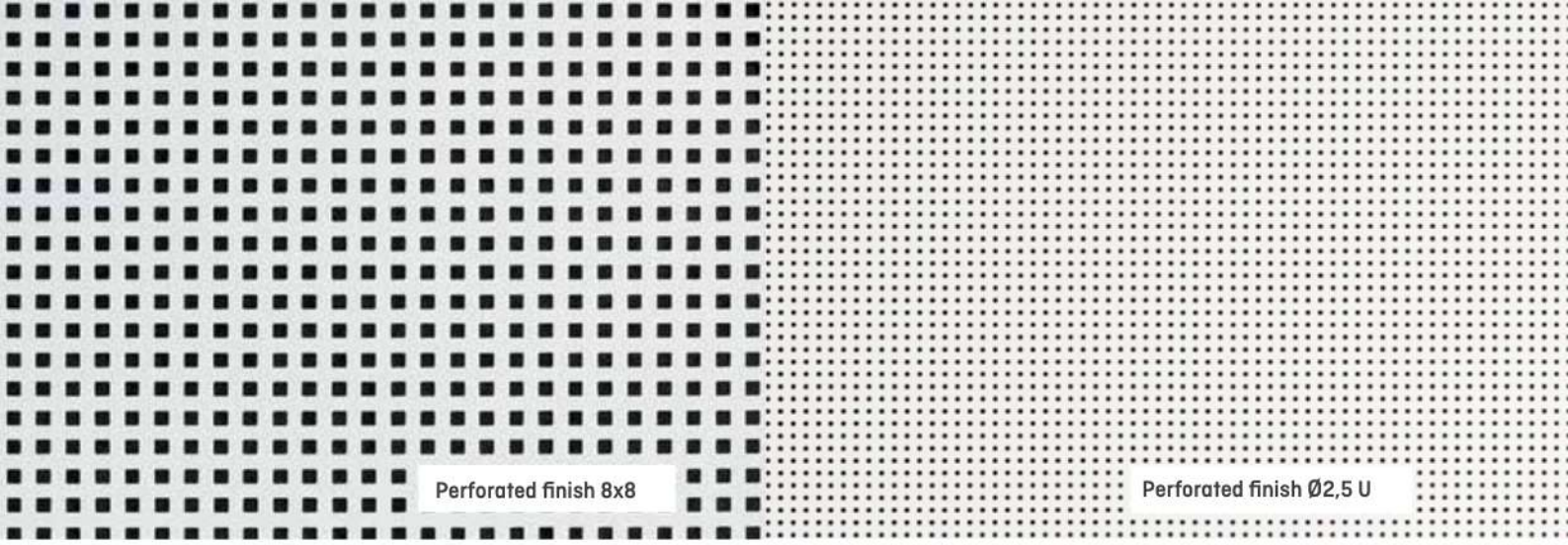
MATERIAL BREAKDOWN

| MODEL | Units per m ² |
|----------------------------------|--------------------------|
| Panel 600x600 mm | 2,80 units |
| Panel 300x L.V | 3,35 units |
| Hidden profile Murano 600x600 mm | 1,68 ml |
| Hidden profile Murano 300xL.V | 1/L.V ml |

Approximate weight: 4,5 - 5,5 kg /m² depending on the type of perforation
4 Hanger brackets in a 3,7 metres primary profile

TECHNICAL CHARACTERISTICS

| Complement | Perforation | α_w until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material up to |
|-----------------|-------------|------------------|-----------------------------|------------------|------------|---------------------------|
| None | Plain | - | - | a2-s1, d0 | Sort B | 25% |
| Acoustic fleece | Ø 1,5 U | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | Ø 2,5 U | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| Mineral wool | Ø 1,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | Ø 2,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | □ 5x5 | - | - | a2-s1, d0 | Sort B | 25% |



Perforated finish 8x8

Perforated finish Ø2,5 U

06/

Capri
Panel

Panels manufactured from pre-lacquered galvanized steel with a thickness providing excellent resistance and durability. Especially designed for use in **large spaces**, they allow easy and comfortable access to any technical installations located within the inner cavity, providing a ceiling system that is adjustable throughout.

Suitable for installation using either a **visible profile system** (T-24, T-15) or **concealed frame** (Clip-in). Available with a wide range of finishes, colours and accessory parts offering a choice of personalized designs. The perforation and addition of acoustic fleecing can also provide spaces perfectly adapted to all types of acoustic requirements.

These **panels** will provide a high quality **modern** look for ceilings and building spaces.



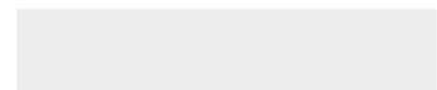
06/

Capri Panel

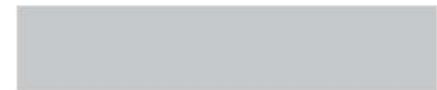
FORMATS

| MODEL | | PANEL | | BOX |
|--------------------------|----------|-------------|----------------|-------|
| | | mm | m ² | units |
| Plain pre-lacquered | Clip-In | 300 x 300 | 2,16 | 24 |
| | Clip-In | 300 x 1000 | 21,6 | 72 |
| | Clip-In | 1000 x 1000 | 24 | 24 |
| | E (T24) | 1000 x 1000 | 48 | 48 |
| | V8 (T15) | 1000 x 1000 | 44 | 44 |
| Perforated pre-lacquered | Clip-In | 300 x 300 | 2,16 | 24 |
| | Clip-In | 300 x 1000 | 21,6 | 72 |
| | Clip-In | 1000 x 1000 | 24 | 24 |
| | E (T24) | 1000 x 1000 | 48 | 48 |
| | V8 (T15) | 1000 x 1000 | 44 | 44 |

COLOURS

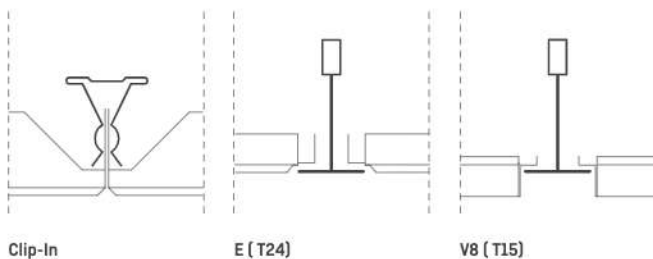


White 9010



Silver 9006

Other colours on request

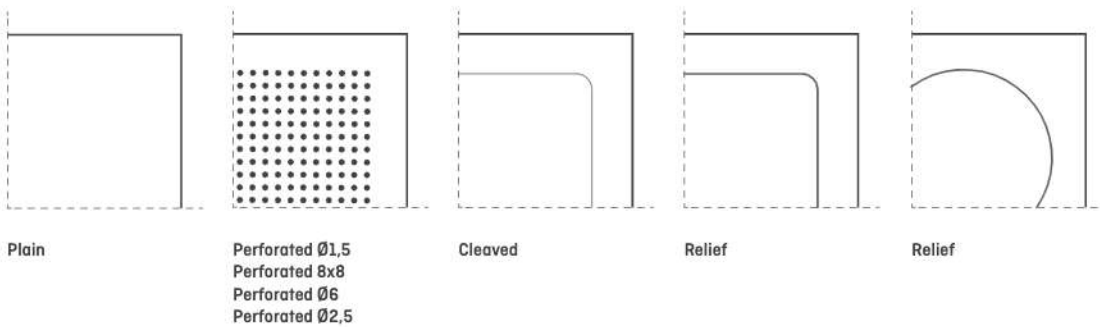


Clip-In

E (T24)

V8 (T15)

PRESENTATION



Panels formed by folding, manufactured using pre-lacquered galvanized steel sheets of 0.50 mm thickness. All panels supplied with adhesive protective film.

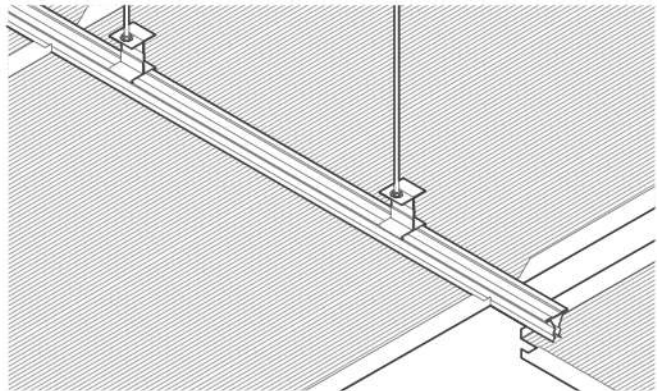
Pre-lacquered panels in Polyester with a minimum coat thickness of 25 microns, in White (RAL 9010) or Silver (RAL 9006). This type of finish is characterized by its high durability and resistance to corrosion (retaining its colour and bright appearance).

06/

Capri Panel

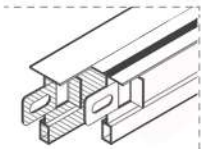
ASSEMBLY

Capri panels can be supported over a modular structure formed by primary and secondary profiles in a T-shape, or specially manufactured for mounting via a concealed profile system. In both options the support structure will be fixed to the frame via screw-in rods and to the primary profiles or concealed strips via hanger brackets.



Clip-in assembly system

ACCESSORIES



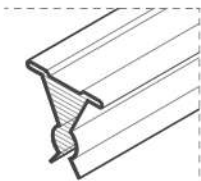
T-24, T-15

Suspension system comprising primary and secondary profiles in a T-shape which form a modular structure over which the panels rest.



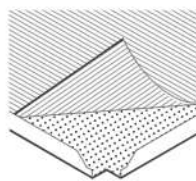
Hanger piece

Piece for joining the supporting profiles and the screw-in rods for supporting the ceiling.



Triangular profile

Suspension system for clip-in Capri panels. The triangular shaped profile holds the panels in place and remains concealed.(clip in system).



Acoustic fleecing

0.2 mm thick acoustic fleecing which prevents the build up of dust and dirt. Fixed to the inside face by thermal activation.



Data sheet



Assembly manual

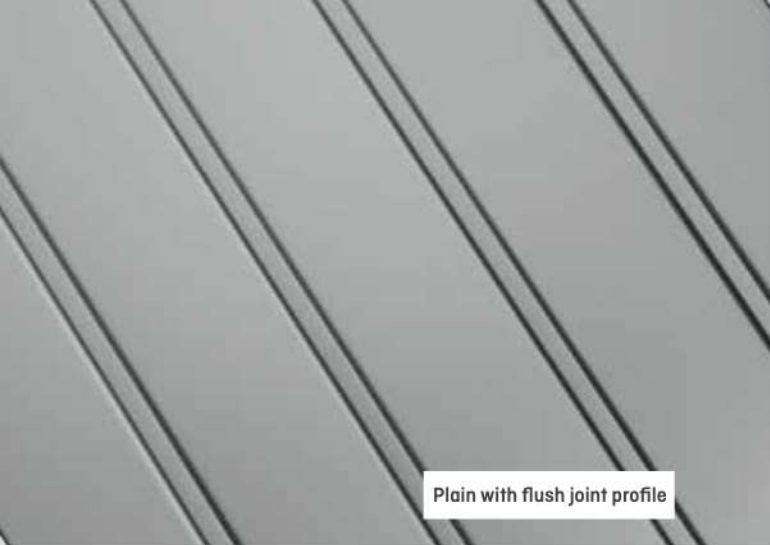
MATERIAL BREAKDOWN

| HIDDEN SYSTEM MODEL | Units per m ² | SEEN SYSTEM MODEL | Units per m ² |
|---------------------|--------------------------|-------------------|--------------------------|
| Triangle profile | 1,70 units | Primary profile | 1 ml |
| Crossbrace | 0,70 ml | Secondary profile | 1 ml |
| Hanger brackets | 0,70 ml | Hanger brackets | 1 ud |

Approximate weight: 3,5 - 4,6 kg /m² depending on the type of perforation
4 Hanger brackets in a 3,7 metres primary profile

TECHNICAL CHARACTERISTICS

| Complement | Perforation | α_w until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material up to |
|-----------------|-------------|------------------|-----------------------------|------------------|------------|---------------------------|
| None | Plain | - | - | a2-s1, d0 | Sort B | 25% |
| Acoustic fleece | Ø 1,5 U | 0,65 | C | a2-s1, d0 | Sort B | 25% |
| | Ø 2,5 U | 0,70 | C | a2-s1, d0 | Sort B | 25% |
| Mineral wool | Ø 1,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |
| | Ø 2,5 U | 0,85 | B | a2-s1, d0 | Sort B | 25% |



Plain with flush joint profile



Plain with flange

07/

Veneto

Stave

A ceiling model employing panels. These curved sided panels can be produced in lengths of up to 6 metres in different widths and designs (with or without wings) and are clipped into profiles known as battens.

This model can be produced in a variety of finishes: with the panels separated by grooves with glazing bars in different colours or closed grooves, offering a **wide range of possibilities** with this product.

The **colours of the panels** can be combined to produce highly original designs for both interior and exterior spaces. Easy access to the cavity space facilitates maintenance and repair work on lighting, heating and plumbing systems.

The material of the panels offers **excellent resistance and durability** for ceilings and allows for easy cleaning.



07/

Veneto Stave



Data sheet



Assembly manual

FORMATS

| MODEL | PANEL | | BOX |
|-------------------|----------|----------------|-------|
| | mm | m ² | units |
| Plain | 85 x 15 | - | 10 |
| | 135 x 15 | - | 10 |
| | 185 x 15 | - | 10 |
| Plain with flange | 100 x 15 | - | 10 |
| | 150 x 15 | - | 10 |
| | 200 x 15 | - | 10 |

COLOURS



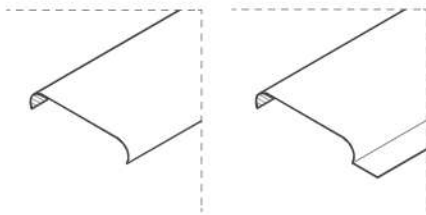
White



Silver 9006

Other colours on request

PRESENTATION



Plain

Plain with flange

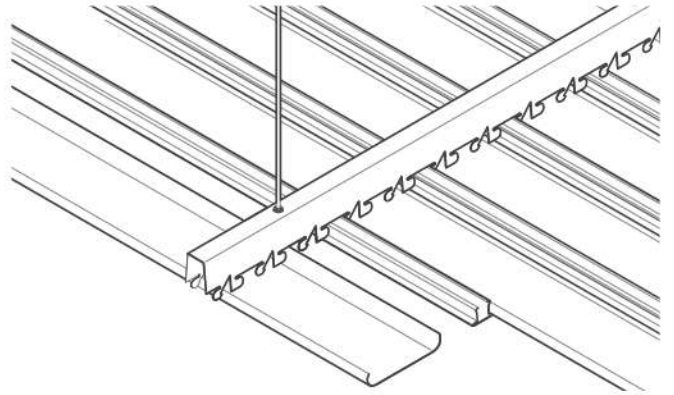


Panels manufactured in pre-lacquered aluminium of 0.45 mm thickness with cold lamination coatings. Pre-lacquered Polyester panels with a minimum thickness of 20 microns.

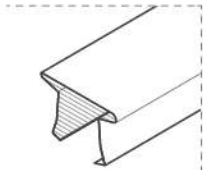
This type of finish is characterized by high durability and resistance to corrosion (retaining colour and brightness).

ASSEMBLY

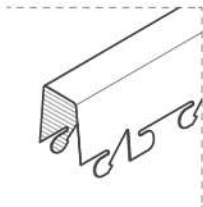
The panels are clipped into U-shaped battens with a predetermined prong arrangement. The battens are equipped with holes in the upper part for insertion of the screw-in rods for suspension from the upper ceiling framework.



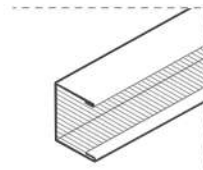
ACCESSORIES



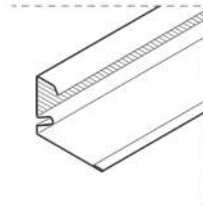
Glazing bar
Profile positioned between the Veneto 85 panels to close up the groove openings. .



Batten
Element for the lengthwise attachment of the Veneto panels which is suspended from the frame work via screw-in rods housed in the upper part. Painted in black on both sides.



U-20 Perimeter profile
Profile designed for the support of the panels around the perimeter by means of plastic clips. .



Edge finishing profile
Profile designed for the support of the panels around the perimeter by means of plastic clips.

MATERIAL BREAKDOWN

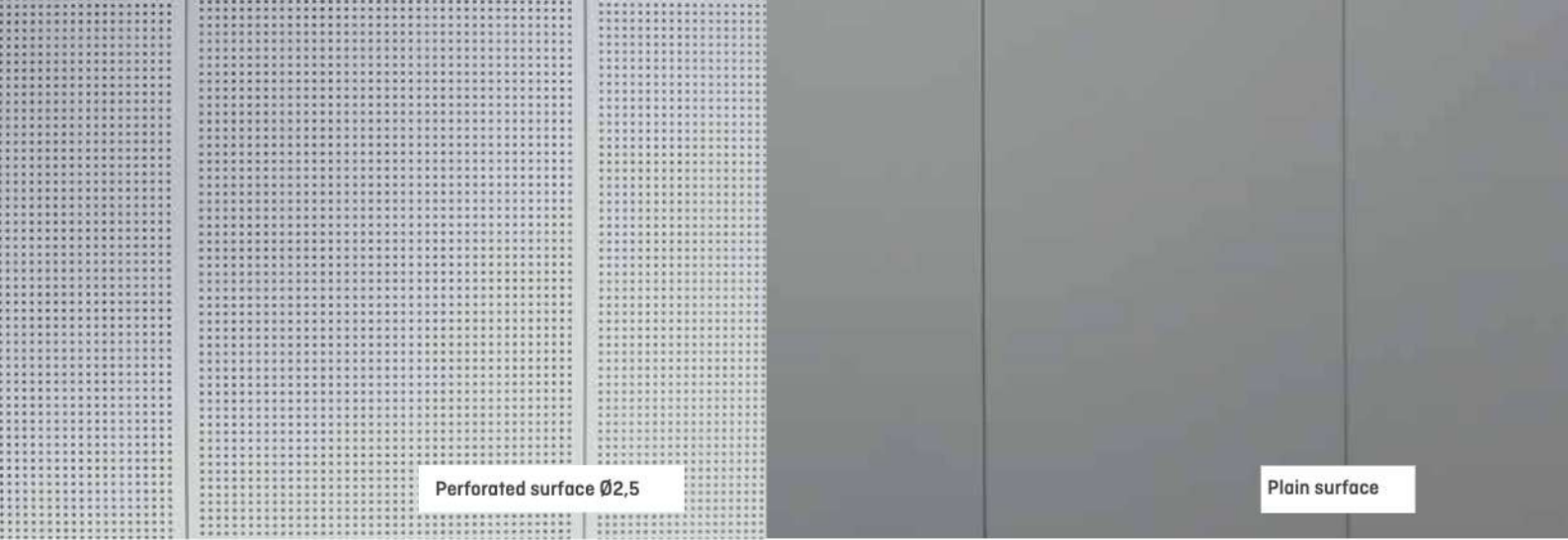
| MODEL | Units per m ² |
|----------------------------------|--------------------------|
| Stave Veneto 85 5mm joint | 11,15 ml. |
| Stave Veneto 85 with Glazing bar | 10 ml. |
| Stave Veneto 100 | 10 ml. |
| Stave Veneto 135 | 6,67 ml. |
| Stave Veneto 150 | 6,67 ml. |
| Stave Veneto 185 | 5,00 ml. |
| Stave Veneto 200 | 5,00 ml. |

| MODEL | Units per m ² |
|---------------------------|--------------------------|
| Batten Veneto (d= 1m) | 1,00 ml. |
| Glazing bar | 10 ml. |
| Units Clip U-20 | 4,00 units |
| Hanger brackets (d= 1m) | 1,25 units |
| U-20 | 0,50 ml. |

5 Hanger brackets in a 4 metres panel carrier

TECHNICAL CHARACTERISTICS

| Reaction to fire | Durability | % Recycled material |
|------------------|------------|---------------------|
| A2-s1, d0 | Sort B | 18% |



Perforated surface Ø2,5

Plain surface

08/

Treviso

Stave

This type of **straight edged panel** is manufactured in pre-lacquered aluminium and can be cut to measurements as required allowing **fast and easy installation**.

Allows two types of finish: panels either with 10mm grooves or joined. The separation of the panels depends on the batten used. The non-separated panel finish produces continuous smooth ceilings offering a **sensation of width**.

Our range of coloured panels can be used to create original and modern designs for interior and exterior spaces.

The material of the panels offers **excellent resistance and durability** for ceilings and allows for easy cleaning.



08/

Treviso

Stave



Data sheet



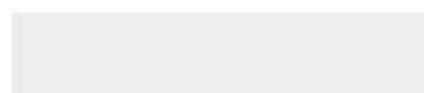
Assembly manual

FORMATS

| MODEL | PANEL | | BOX |
|-------|----------|----------------|-------|
| | mm | m ² | units |
| Plain | 100 x 19 | - | 20 |
| | 150 x 19 | - | 20 |
| | 200 x 19 | - | 10 |
| | 300 x 19 | - | 10 |

* Consult minimum amounts

COLOURS



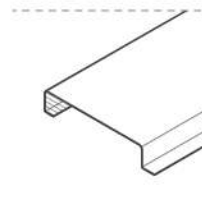
White 9010



Silver 9006

Other colours on request

PRESENTATION



Plain

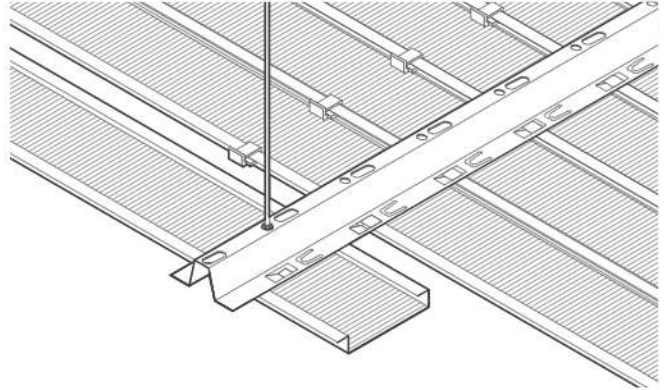
Panels manufactured in pre-lacquered aluminium of 0.45 mm (0.55mm in Treviso 300) thickness with cold lamination coatings.

Pre-lacquered Polyester panels with a minimum thickness of 20 microns.

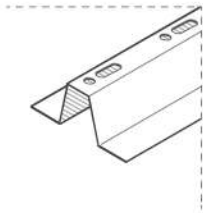
This type of finish is characterized by high durability and resistance to corrosion (retaining colour and brightness).

ASSEMBLY

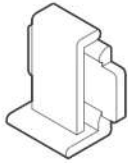
The panels fit into "Ω"-shaped battens with a predetermined prong arrangement. The battens are equipped with holes in the upper part for insertion of the screw-in rods for suspension from the upper ceiling framework.



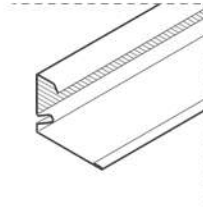
ACCESSORIES



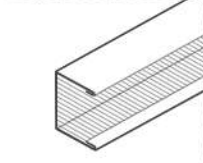
Batten
Attachment profile for Treviso panels which is suspended from the ceiling frame via screw-in rods housed in the upper part.



Treviso Panel joint clip
Plastic clip specially designed for joining together Treviso panels.



Edge finishing profile
Profile designed for the support of the panels around the perimeter by means of plastic clips.



U-20 Perimeter profile
Profile designed for the support of the panels around the perimeter by means of plastic clips.

MATERIAL BREAKDOWN

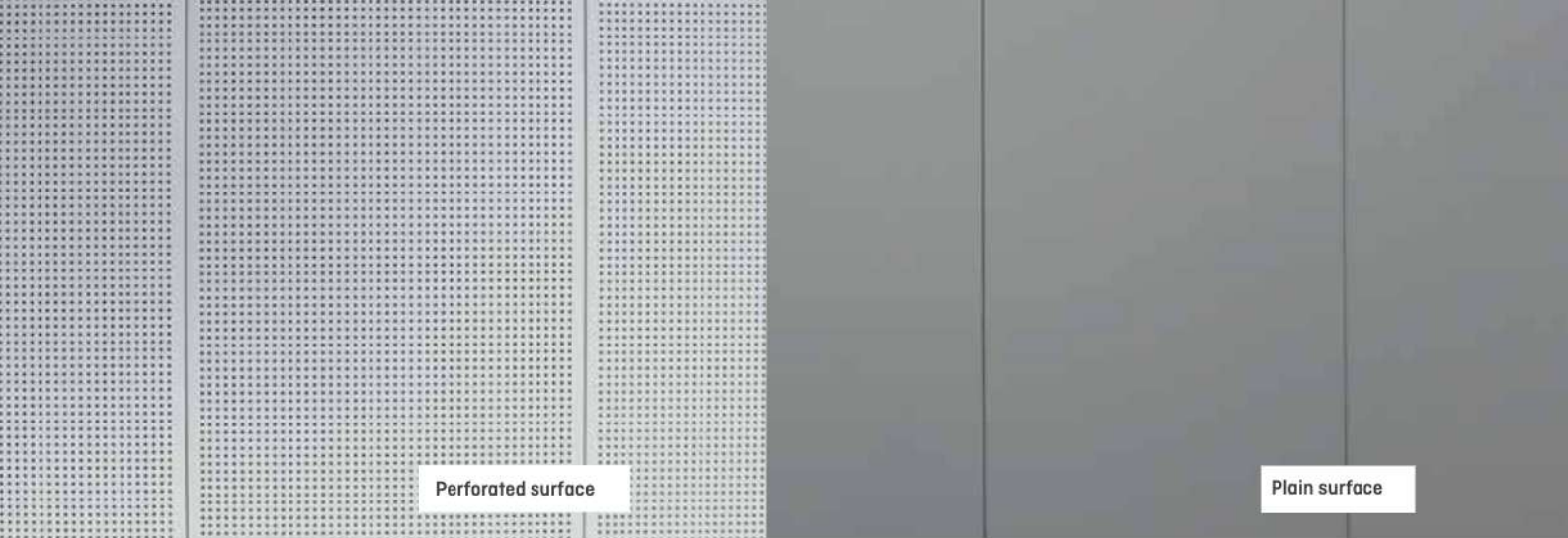
| MODEL | Units per m ² |
|-----------------------------------|--------------------------|
| Stave Treviso 100 mm side by side | 10,00 |
| Stave Treviso 100 mm separated | 9,10 |
| Stave Treviso 150 mm side by side | 6,70 |
| Stave Treviso 150 mm separated | 6,25 |
| Stave Treviso 200 mm side by side | 5,00 |
| Stave Treviso 200 mm separated | 4,80 |
| Stave Treviso 300 mm side by side | 3,35 |
| Stave Treviso 300 mm separated | 3,25 |

| MODEL | Units per m ² |
|-----------------------------------|--------------------------|
| Batten Treviso (d=1m) | 1,00 |
| Units Clip stave joint clip | 4,00 |
| Units Clip Edge finishing profile | 4,00 |
| Hanger brackets (d=1) | 1,25 |
| Edge finishing profile | 0,50 |

5 Hanger brackets in a 4 metres panel carrier

TECHNICAL CHARACTERISTICS

| Reaction to fire | Durability | % Recycled material |
|------------------|------------|---------------------|
| A2-s1, d0 | Sort B | 18% |



Perforated surface

Plain surface

09/

Venezia

Stave

Model made up of panels of 200mm or 300mm width and up to 6 metres in length, which can be cut to size **for easy installation in all spaces.**

The concealed batten system provides a stylish and modern look to the ceiling. Manufactured in a range of colours and finishes.

The tongue and groove system allows installation of panels without battens up to a certain length without risk of separation. This ceiling format is ideal for **kitchens and bathrooms** where the shiny white finishes will provide bright and luminous interiors. Easy to clean and highly durable it offers a modern and attractive look.

The design features provide **strength and high performance with panels in a range of lengths.** The possibility of perforation and the addition of acoustic fleecing will make it ideal for spaces requiring sound insulation properties.



09/

Venezia

Stave



Data sheet



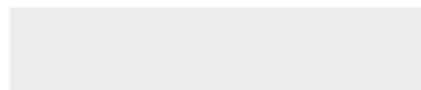
Assembly manual

FORMATS

| MODEL | PANEL | | BOX |
|------------|-----------------|----------------|-------|
| | mm | m ² | units |
| Plain | 200 x 27,5 x 28 | - | 10 |
| | 300 x 27,5 x 28 | - | 8 |
| Perforated | 300 x 27,5 x 28 | - | 8 |

Consult minimum amounts

COLOURS



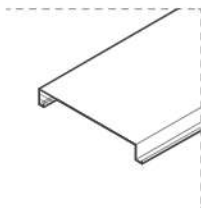
White



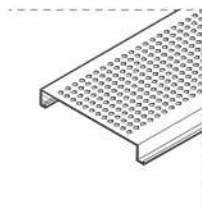
Silver 9006

Other colours on request

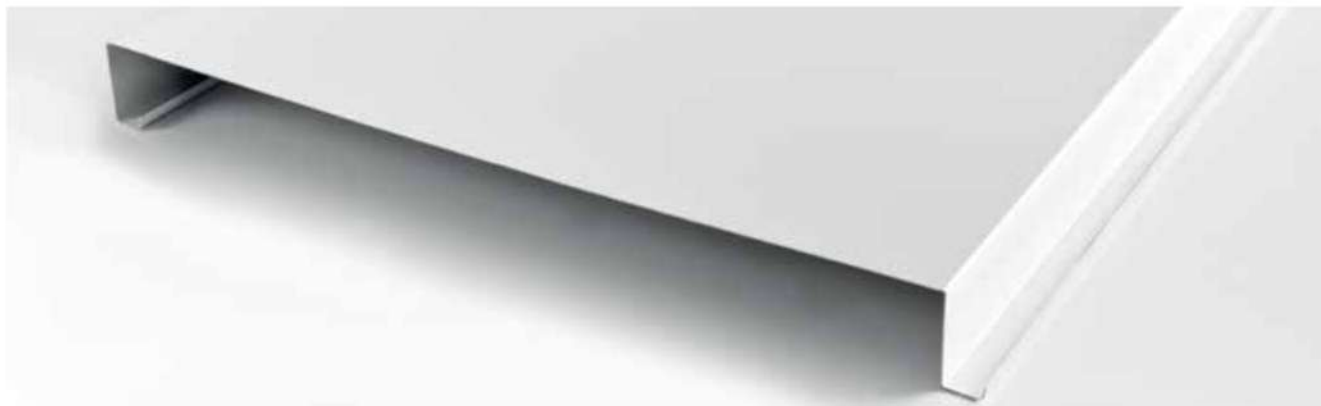
PRESENTATION



Plain



Perforated Ø2,5 / U | 13% Perforated

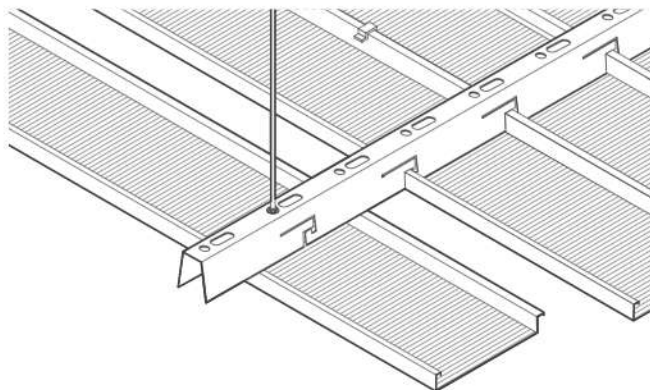


Panels manufactured in pre-lacquered aluminium of 0.45 mm (Venezia 200) or 0.55mm Venezia 300) thickness with cold lamination coatings.

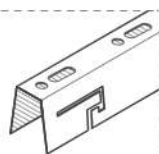
Pre-lacquered Polyester panels with a minimum thickness of 20 microns. This type of finish is characterized by high durability and resistance to corrosion (retaining colour and brightness).

ASSEMBLY

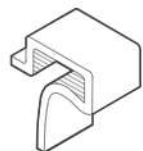
The panels fit into battens provided with wings which can be closed manually once the panels are in place. These battens have holes in the top for the insertion of the screw-in rods via which the system is suspended from the upper ceiling frame.



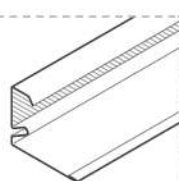
ACCESSORIES



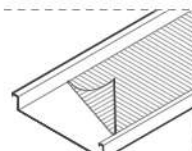
Batten
Attachment profile for Venezia panels which is suspended from the ceiling frame via screw-in rods housed in the upper part.



Venezia/Roma Panel clip joint
Plastic clip specially designed for joining together Venezia/Roma panels.



Edge finishing profile
Profile designed for the support of the panels around the perimeter by means of plastic clips.



Acoustic fleecing
0.2mm thick acoustic fleecing which prevents the build-up of dust and dirt. Fixed to the inside face by thermal activation.

MATERIAL BREAKDOWN

| MODEL | Units per m ² |
|-----------------------------------|--------------------------|
| Stave Venezia 200 mm | 5,00 ml |
| Stave Venezia 300 mm | 3,34 ml |
| Batten Venezia (d=1) | 1,00 units |
| Units Clip staves joint clip | 4,00 units |
| Units Clip Edge finishing profile | 4,00 units |
| Hanger brackets (d=1m) | 1,25 units |
| Edge finishing profile | 0,50 ml |

5 Hanger brackets in a 4 metres panel carrier

TECHNICAL CHARACTERISTICS

| Reaction to fire | Durability | % Recycled material |
|------------------|------------|---------------------|
| A2-s1, d0 | Sort B | 18% |



10/

Verona

Stave

This type of ceiling made of vertical panels allows designs which play with **light and brightness in open-plan spaces**. Using a system of pre-painted black battens, a structure of vertical panels of 100 or 150mm panels is constructed. According to the size of the panels these can be positioned at different distances allowing a variety of combinations.

The panels are manufactured in aluminium with excellent **resistance and durability**, and being an open ceiling it offers **easy maintenance** and access to the ceiling cavity.

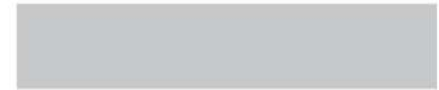
FORMATS

| MODEL | PANEL | | BOX |
|----------|-------|----------------|-------|
| | mm | m ² | units |
| Vertical | 100 | - | 32 |
| | 150 | - | 32 |

COLOURS

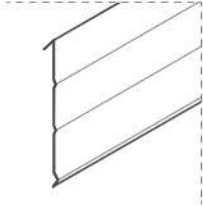


White



Silver 9006

Other colours on request



Panels manufactured in pre-lacquered aluminium of 0.45mm thickness with cold lamination coatings. 20 micron Polyester panels pre-painted in Matt White (Ref. 9723) or Silver (RAL 9006). This type of finish is characterized by high durability and resistance to corrosion (retaining colour and brightness).

ASSEMBLY

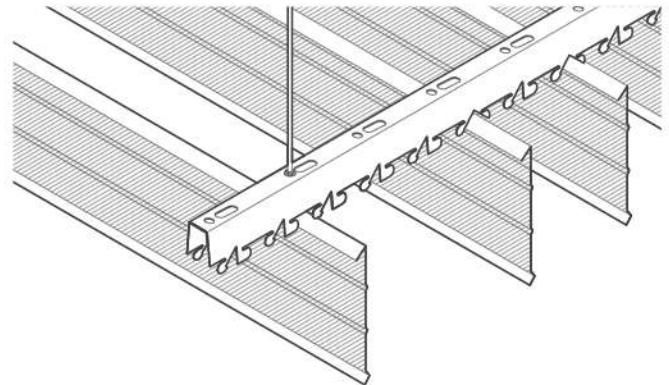
The Verona panels are clipped into U-shaped battens with a predetermined prong arrangement. The battens are equipped with holes in the upper part for insertion of the screw-in rods for suspension from the upper ceiling framework.



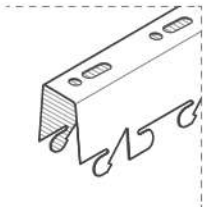
Data sheet



Assembly manual



ACCESSORIES



Batten
Attachment profile for Verona panels, painted black, which is suspended from the ceiling frame via screw-in rods housed in the upper part.

MATERIAL BREAKDOWN

| MODEL | Type | Units per m ² |
|------------|----------------|--------------------------|
| Verona 100 | Stave | 10 ml |
| Verona 150 | Stave | 6,67 ml |
| | Batten | 1 unit |
| | Hanger bracket | 1 unit |

TECHNICAL CHARACTERISTICS

| Reaction to fire | Durability | % Recycled material |
|------------------|------------|---------------------|
| A2-s1, d0 | Sort B | 18% |



11/

Italia 30

Stave

This type of open ceiling is made up of a system of battens lacquered in black, with a structure housing a series of 30mm wide **rectangular panels**.

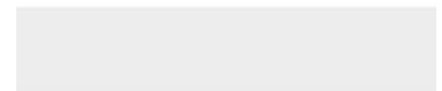
The panels are manufactured in pre-lacquered aluminium with excellent **resistance and durability**, and being an open ceiling it offers **easy maintenance** and access to the ceiling cavity.

This ceiling offers a **variety of combinations** with a distance between the panels of either 2 or 7 centimetres.

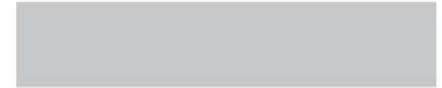
FORMATS

| MODEL | PANEL | | BOX |
|-----------|---------|----------------|-------|
| | mm | m ² | units |
| Italia 30 | 37 x 30 | - | 20 |

COLOURS

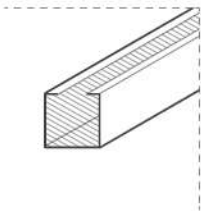


White



Silver 9006

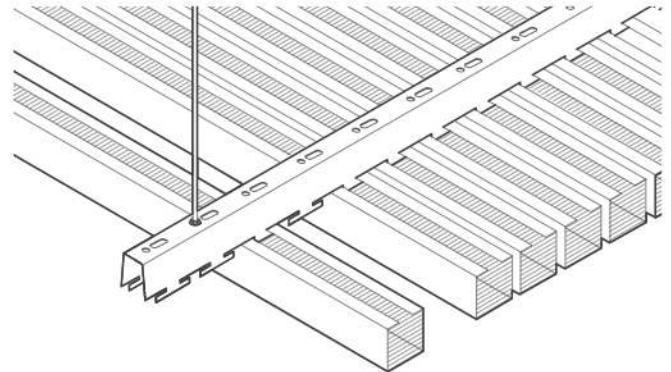
Other colours on request



Panels manufactured in pre-lacquered aluminium of 0.45mm thickness with cold lamination coatings. 20 micron Polyester panels pre-painted on both sides in White or Black (RAL 9005) and Silver (RAL 9006). (The batten for the Italia30 panels is pre-lacquered in Black.

ASSEMBLY

The Italia 30 panels are clipped into U-shaped battens with a predetermined prong arrangement. The battens are equipped with holes in the upper part for insertion of the screw-in rods for suspension from the upper ceiling framework which is painted in black for matching purposes.

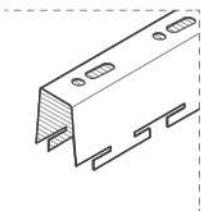


Data sheet



Assembly manual

ACCESSORIES



Batten
Attachment profile designed for Italia30 panels, painted black, which is suspended from the ceiling frame via screw-in rods housed in the upper part.

MATERIAL BREAKDOWN

| MODEL | Type | Units per m ² |
|----------------------|-----------------|--------------------------|
| Italia 30 (d=50mm) | Stave | 20 ml |
| Italia 30 (d= 100mm) | Stave | 10 ml |
| | Batten | 1 unit |
| | Hanger brackets | 1 unit |

TECHNICAL CHARACTERISTICS

| Reaction to fire | Durability | % Recycled material |
|------------------|------------|---------------------|
| A2-s1, d0 | Sort B | 18% |



Open cell Milan

Open cell Milan with T 15

12/

Milan

Open Cell

The Milan grid ceiling system allows the creation of a design where **light and shade interact**. The variety of colours and tones can result in an **infinite range of finishes**.

Via a simple concealed profile frame a **continuous ceiling space** is created which can be accessed or adjusted at any point of the installation. It is supplied in 600x600mm modules which are easy to install. Manufactured in aluminium it is highly durable and easy to maintain.

The grid panels can be mounted on a T15 profile frame. In this case the grid is made up of 600 x 600mm modules with **perimeter borders of the same colour** which is mounted on top of the T15 profiles.



12/

Milan Open Cell

FORMATS

| MODEL | PANEL | | BOX |
|-----------|-----------|----------------|-------|
| | mm | m ² | units |
| Height 40 | 50 x 50 | 4,32 | 12 |
| | 60 x 60 | 4,32 | 12 |
| | 75 x 75 | 4,32 | 12 |
| | 86 x 86 | 4,32 | 12 |
| | 100 x 100 | 4,32 | 12 |
| | 150 x 150 | 4,32 | 12 |
| | 200 x 200 | 4,32 | 12 |
| Height 50 | 50 x 50 | 3,60 | 10 |
| | 60 x 60 | 3,60 | 10 |
| | 75 x 75 | 3,60 | 10 |
| | 86 x 86 | 3,60 | 10 |
| | 100 x 100 | 3,60 | 10 |
| | 150 x 150 | 3,60 | 10 |
| | 200 x 200 | 3,60 | 10 |

COLOURS



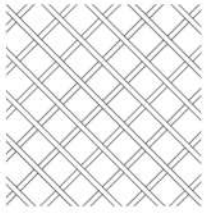
White



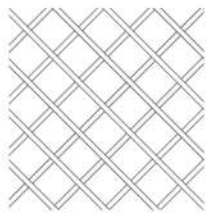
Silver 9006

Other colours on request

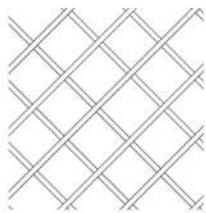
PRESENTATION



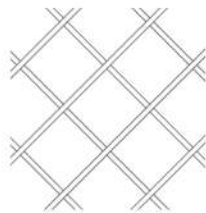
50 x 50 mm



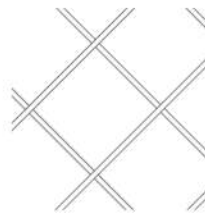
60 x 60 mm



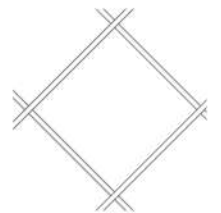
75 x 75 mm



100 x 100 mm



150 x 150 mm



200 x 200 mm



Grid panels manufactured in pre-lacquered 0.40mm thick aluminium plus coatings. Pre-lacquered Polyester grid panels with a minimum 20 micron thickness in White and Silver (RAL 9006). This type of finish is characterized by its high durability and resistance to corrosion (retaining its colour and bright appearance).

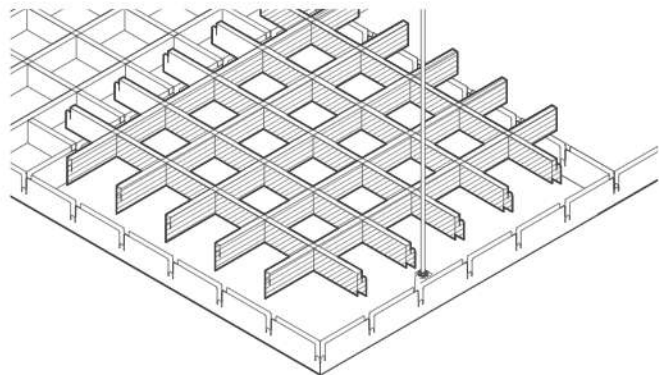
12/

Milan

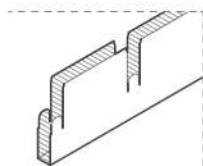
Open Cell

ASSEMBLY

The Open Cell modules are inserted over a grid shaped structure formed of primary and secondary profiles. The structure is suspended from the upper ceiling frame by hanger brackets and screw-in rods hooked onto the primary profiles.

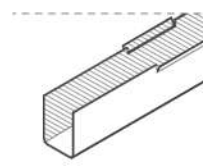
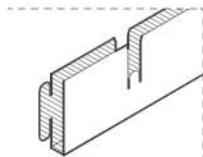


ACCESSORIES



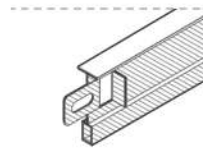
Grid ceiling profile

Suspension system for the grid ceiling composed of primary and secondary profiles in a U-shape which form a grid design structure onto which the grid panels are positioned. The primary profiles are 2.4 metres in length and the secondary profiles are 1.2m or 50mm in height depending on the grid panels selected.



Connection piece

Connection piece designed for joining the primary support profiles.



T-15

Suspension system composed of primary and secondary profiles in a T-shape to create a grid structure over which the grids rest.



Data sheet



Assembly manual

MATERIAL BREAKDOWN

| MODEL | | Units per m ² |
|---|----------------------|--------------------------|
| Assembly type A without secondary 1,2 m | Open cells 600 x 600 | 2,80 units |
| | Primary 2,4 m | 1,68 ml. |
| | Secondary 0,6 | 1,68 ml. |
| | Hanger brackets | 2,10 units |
| | Connection piece | 0,70 units |

| MODEL | | Units per m ² |
|---|-----------------------|--------------------------|
| Assembly type C without secondary 0,6 m | Open cells 600 x 1200 | 1,40 units |
| | Primary 2,4 m | 0,84 ml. |
| | Secondary 1,2 m | 1,68 ml. |
| | Hanger brackets | 1,05 units |
| | Connection piece | 0,35 units |

| MODEL | | Units per m ² |
|--|----------------------|--------------------------|
| Assembly type B with secondary 1,2 m | Open cells 600 x 600 | 2,80 units |
| | Primary 2,4 m | 0,84 ml. |
| | Secondary 1,2 m | 1,68 ml. |
| | Secondary 0,6 m | 0,84 ml. |
| | Hanger brackets | 1,05 units |
| | Connection piece | 0,35 units |

4 Hanger brackets in a 3,7 metres primary profile

TECHNICAL CHARACTERISTICS

| Reaction to fire | Durability | % Recycled material |
|------------------|------------|---------------------|
| A2-s1, d0 | Sort B | 18% |

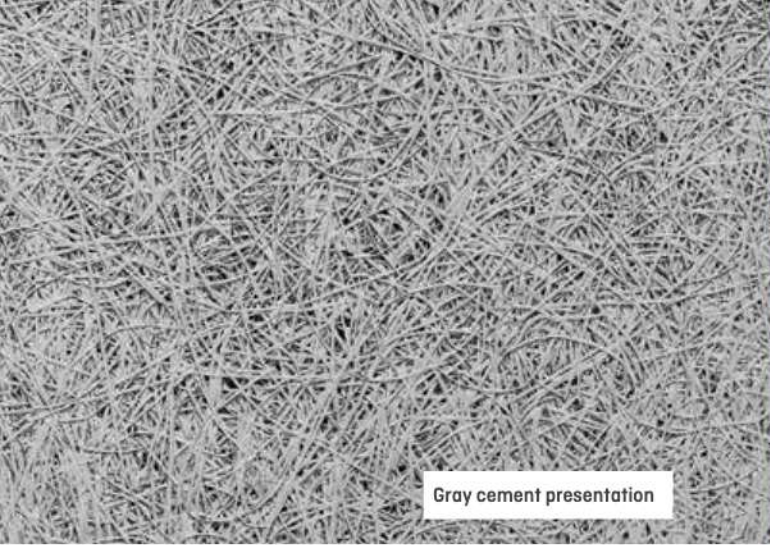
NON METALLIC CEILINGINGS

The variety of other materials also available for use in ceiling panels, such as chipboard, mineral fibre and vinyl offer a wide range of possibilities for the creation of exciting designs with simple, attractive and practical finishes.

In this chapter we present a range of ceiling models designed to meet your needs and requirements.







Gray cement presentation



Natural presentation

01/

Trolldtekt

Chipboard

Acoustic Panel

TROLDTEKT natural wood panels are **high performance acoustic systems** ideal for use in sectors such as education, sports facilities, offices, leisure centres etc. Trolldtekt Chipboard Acoustic Panels are made from strips of spruce chipboard mixed with cement.

This product is **100% natural** and characterized by its excellent sound absorption properties, creating excellent acoustics for all types of space.

In addition to its **acoustic benefits** it is a solution which offers a **unique and attractive appearance**. The use of chipboard panels offers a wide range of creative colour options and can also provide **excellent results in humid environments such as swimming pools**.



01/

Troldtekt Chipboard Acoustic Panel

FORMATS

| MODEL | PANEL | PALLET | |
|---------------------------|-----------------|----------------|-------|
| | mm | m ² | units |
| Fine natural wood K0-S | 20 x 593 x 1193 | 36 | 50 |
| | 20 x 593 x 593 | 36 | 100 |
| | 25 x 593 x 1193 | 28,8 | 40 |
| | 25 x 593 x 593 | 28,8 | 80 |
| Fine natural wood K5 | 25 x 600 x 1200 | 28,8 | 40 |
| Fine natural wood K5-FN | 35 x 600 x 1200 | 20,16 | 28 |
| Fine natural wood K5- FS | 25 x 593 x 593 | 28,8 | 80 |

PRESENTATION



Natural, extreme (0,5mm)



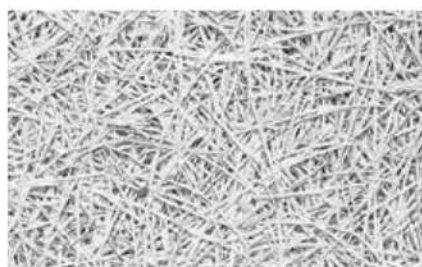
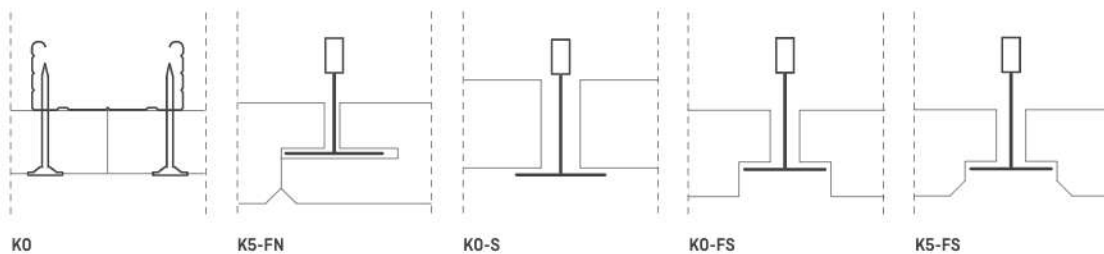
Natural, ultrafine (1mm)



Natural, fine (1,5mm)



Natural, thick (3mm)



Why select TROLDTEKT?

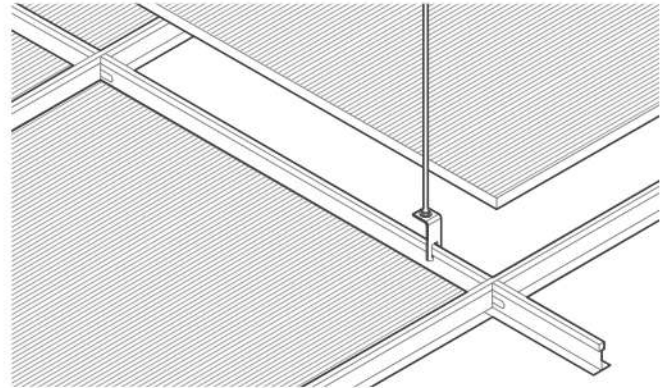
1. Good acoustics: high sound absorption
2. Effective protection against fire: fire resistant
3. Healthy interior climate: ecologically and biologically sound materials
4. High durability: long lasting and resistant to impact and damp
5. VersaPanel, simple and economic to install
6. Attractive modern look: a wide range of available finishes

ASSEMBLY

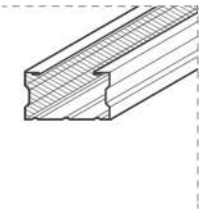
K5 system: continuous ceiling system employing 5mm bezel panels screwed to TC profiles.

K0-S/K5-FS system: dismantlable system where the panels sit on a structure suspended from T profiles 24mm in width and 38mm in height.

K5-FN system: dismantlable system where the panels are housed in a structure made up of galvanized steel T profiles of 35mm width and 38 mm in height.

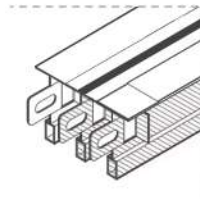


ACCESSORIES



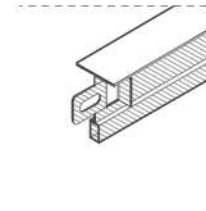
TC Profiles

System of profiles manufactured in galvanized steel designed for the installation of continuous false ceilings using screwed in chipboard panels. System recommended for the K5 model.



T-24 / T-Decor 24 / T-Clip 24

Suspension systems comprising primary and secondary profiles in a T-shape creating a grid structure on which the panels rest. System recommended for use with K0-5 and K5-FS models.



T-35

Galvanized steel profile frame in a T-shape with 35mm base, knurled or non-knurled, making a modular structure comprising primary and secondary profiles. System recommended for K5-FN model. (Concealed and dismantlable)

MATERIAL BREAKDOWN

| MODEL | Units per m ² |
|---------------------------|--------------------------|
| PANEL 600 x 1200 | 1,39 units |
| PANEL 593 x 593 | 2,80 units |
| PANEL 593 x 1193 (T24) | 1,39 units |

4 Hanger brackets en un Primary profile

TECHNICAL CHARACTERISTICS

| PANEL thickness | αw until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material |
|-----------------|----------|-----------------------------|------------------|------------|--------------------------------------|
| 20 mm | 0,85 | B | b-s1, d0 | Sort C | Wood from sustainable forests (PEFC) |
| 25 mm | 0,90 | A | b-s1, d0 | Sort C | Wood from sustainable forests (PEFC) |
| 35 mm | 0,90 | A | b-s1, d0 | Sort C | Wood from sustainable forests (PEFC) |



02/

Vinyl Panel

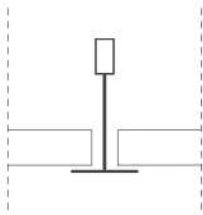
Laminated Plasterboard panel with a white PVC coating providing excellent **waterproofing and easy-clean properties**. Includes **aluminium lamina on the back** which acts as a steam barrier preventing the appearance of condensation.

A simple, high quality and durable solution. Characterized by its **simplicity of assembly and maintenance** and offers easy access to ceiling cavity. A versaPanel ceiling ideal for all types of commercial, educational and professional facilities. .

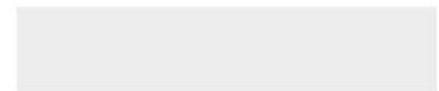
The panels sit on a 600mm x 600mm dismountable profile modular structure x600mm (T15, T24, T-Clip15,T-Clip-24 or T-Decor24) and can be combined with a whole range of colours offering **numerous aesthetic possibilities at a very competitive price**.

FORMATS

| MODEL | PANEL | PALLET | |
|----------|----------------|----------------|-------|
| | mm | m ² | units |
| Straight | 595 x 595 x 9 | 115,2 | 320 |
| | 595 x 1195 x 9 | 86,4 | 120 |



COLOURS



White

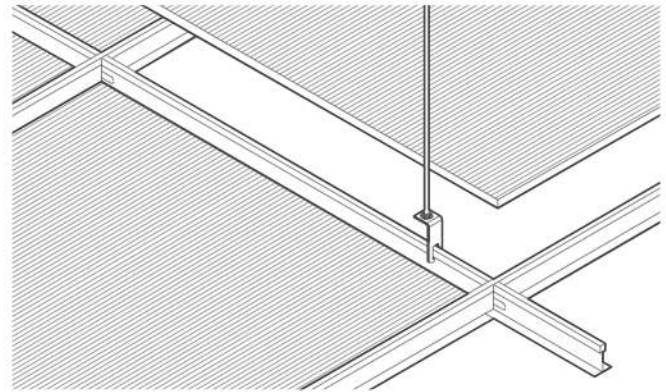
Other colours on request

ASSEMBLY

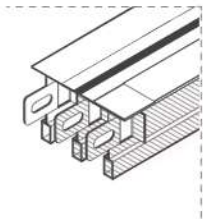
The vinyl panels are housed over a dismantlable profile system formed of primary and secondary profiles which go together to form a 600mm x 600mm modular structure. The structure is suspended from the ceiling frame via screw-in rods joined to the primary profiles by hanger brackets. The panels sit on the frame to create a ceiling which can be adjusted at any point.



Data sheet and assembly manual



ACCESSORIES



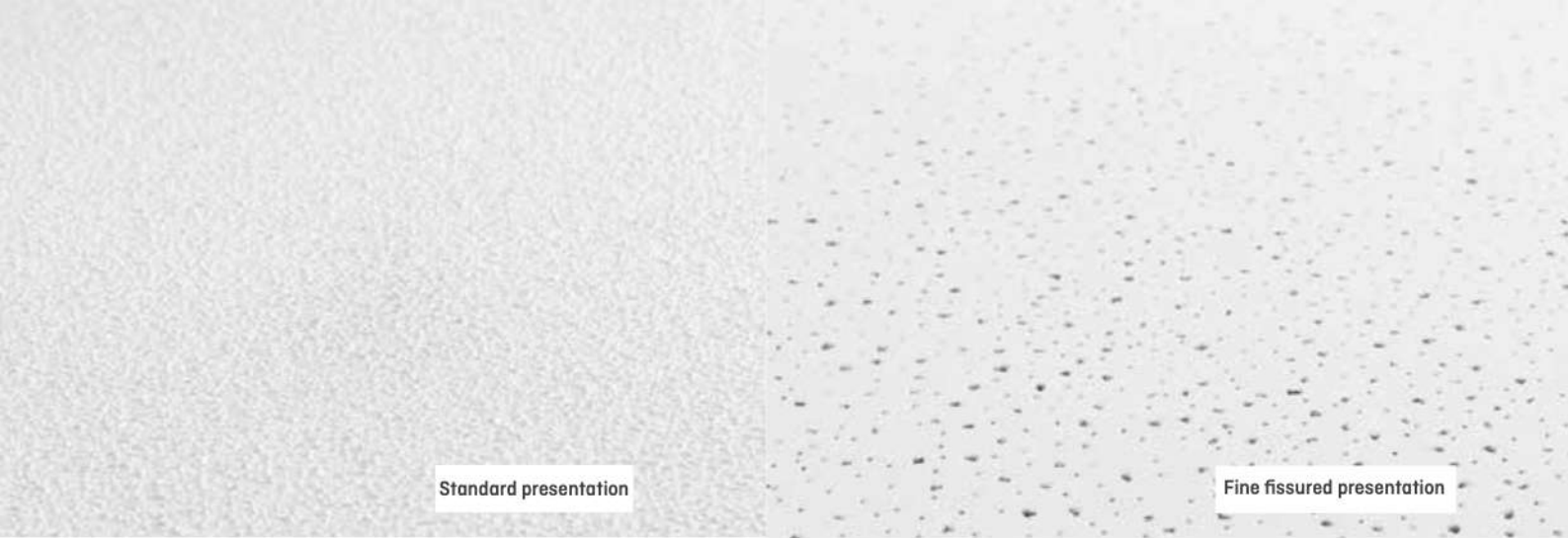
T-15, T-24, T-Clip 15, T-Clip-24 o T-Decor 24 Suspension system composed of primary and secondary profiles in a T-shape to create a modular structure on which the panels rest. The profile measurements can be varied according to the desired aesthetic effect.

MATERIAL BREAKDOWN

| MODEL | Units per m ² |
|-------------------------|--------------------------|
| Panel 595 x 595 | 2,80 units |
| Panel 595 x 1195 | 1,39 units |
| Primary profile 3,7 m | 0,84 ml. |
| Secondary profile 1,2 m | 1,68 ml. |
| Secondary profile 0,6 m | 0,84 ml. |
| Hanger bracket | 0,90 units |

TECHNICAL CHARACTERISTICS

| Presentation | α_w until | Sort of acoustic absorption | Reaction to fire | Durability | % Recycled material |
|--------------|------------------|-----------------------------|------------------|------------|---------------------|
| Plain | NPD | NPD | A2-s1, d0 | Sort B | NPD |



Standard presentation

Fine fissured presentation

03/

Mineral Fibre Panel

The **ideal practical** solution for an adjustable ceiling system. 12mm thick mineral fibre panels with a textured finish, similar to orange peel, which provide excellent acoustic absorption. The panels sit on a 600mm x 600mm dismantable modular profile structure (T-24) and can be combined in a range of colours offering **unique and attractive design possibilities**.

This type of ceiling is extremely practical and well suited to all types of space offering **high performance results, quality finish and easy maintenance**.

Installation is easy as the panels can be cut to any size giving the space an aesthetic and professional finished appearance. The panels are also characterized by their **durability and ease of maintenance**.



Mineral Fibre Panel



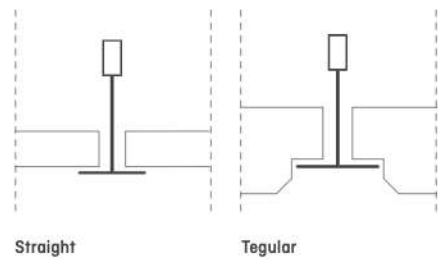
Data sheet



Assembly manual

FORMATS

| MODEL | PANEL | | PALLET |
|-----------------------|-----------------|----------------|--------|
| | mm | m ² | units |
| Fine fissured square | 600 x 600 x 12 | 172,8 | 480 |
| Fine fissured tegular | 600 x 600 x 12 | 172,8 | 480 |
| Sand micro square | 600 x 600 x 12 | 172,8 | 480 |
| Sand micro tegular | 600 x 600 x 12 | 172,8 | 480 |
| Sienna square | 600 x 600 x 12 | 172,8 | 480 |
| Sienna square | 600 x 1200 x 14 | 144 | 200 |



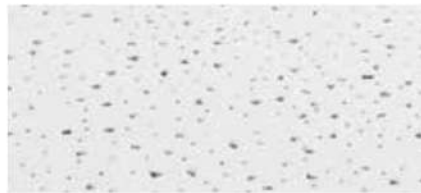
Straight

Tegular

PRESENTATION



Standard



Fissured

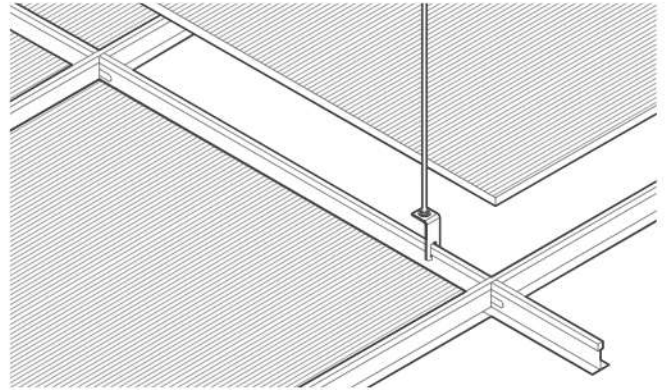


Micro

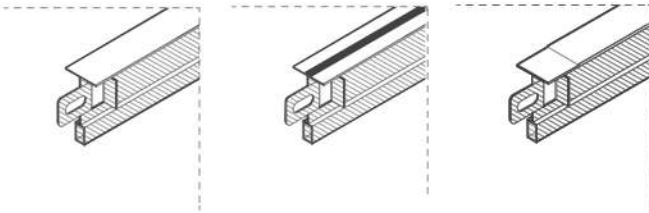
Damp pressed mineral fibre panels. The textured surface and perforations produce excellent light reflecting and sound absorption properties.

ASSEMBLY

The vinyl panels are housed over a dismantlable profile system formed of primary and secondary profiles which go together to form a 600mm x 600mm modular structure. The structure is suspended from the ceiling frame via screw-in rods joined to the primary profiles by hanger brackets. The panels sit on the frame to create a ceiling which can be adjusted/opened at any point.



ACCESSORIES



T-24, T-Decor 24, T-Clip 24.

Suspension systems composed of primary profiles (3.7 m) and secondary profiles (1.2 and 0.6 m) in a 24mm base T-shape creating a grid structure on which the panels rest. The T-Clip 24 profiles have an overlap system to prevent unevenness when mounted.

MATERIAL BREAKDOWN

| MODEL | Units per m ² |
|-------------------------|--------------------------|
| Panel 600 x 600 | 2,80 units |
| Primary profile 3,7 m | 0,84 ml. |
| Secondary profile 1,2 m | 1,68 ml. |
| Secondary profile 0,6 m | 0,84 ml. |
| Hanger brackets | 0,90 units |

TECHNICAL CHARACTERISTICS

| Presentation | α_w until | Sort of acoustic absorption | Reaction to fire | % Recycled material up to |
|--------------|------------------|-----------------------------|------------------|---------------------------|
| Standard | 0,15 | Not classified | A2-s1, d0 | 44% |
| Micro | 0,60 | D | A2-s1, d0 | 44% |
| Fissured | 0,55 | C | A2-s1, d0 | 44% |

01/

SPECIAL DIMENSION CEILING

At THU we aim to provide **complete freedom for designers, architects** and property owners when **choosing ceiling options**. For this reason we have expanded the range of solutions to provide products ideal for spaces of all **shapes and sizes**.

The objective is to provide solutions and ceiling systems ideal for all situations which combine **excellent acoustics with original aesthetic designs**.

At THU we offer **high quality solutions** for all interior ceiling dimensions.

1.



4.



6.



2.



3.



5.



1/ St. Petersburg Airport – Russia

2/ Office Building Hall – Finland

3/ St. Petersburg Airport – Russia

4/ Delft Train Station – Netherlands

5/ Delft Train Station – Netherlands

6/ International Airport – Istanbul

CEILING PROFILES

The THU T-shape **primary and secondary profile** systems allow the suspension of insulation panels of varying shapes, sizes and materials (metal, plaster, polyester fibre, wood, etc.).

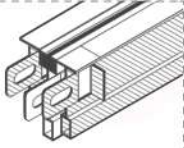
The profiles are manufactured in **galvanized steel and supplied with a pre-lacquered coat in a range of colours.** The combination of this structure and the Modena, Parma, Roma or Capri metallic ceiling ranges creates modern and practical spaces which are easy to maintain.

THU provides up to seven different models of dismantable profile systems: T15, T24, T-Decor 15, T-Decor 24, T-Clip 15, T-Clip 24 and T35.

All are specially designed and manufactured for mounting THU metallic panels, offering a wide range of finishes.

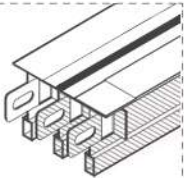


MODEL



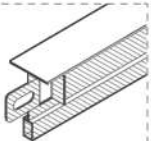
T-15 / T-Dekor 15 / T-Clip 15 Profiles

Prelacquered galvanized steel profile systems in a T-shape, with 38mm height on the conventional model and 42mm for the T-Dekor model. Both options create a modular structure based on primary and secondary profiles over which the panels rest. In the case of the T-Dekor system there is the additional option of combining two colours to produce a unique aesthetic look. T-Clip has an overlapping system to prevent unevenness once mounted.



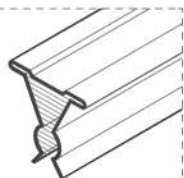
T-24 / T-Dekor 24 / T-Clip 24 Profile system

Suspension systems comprising primary and secondary profiles in a T-shape with a 24mm base and 38, 32 or 25 mm in height, which create a grid structure on which the panels rest. The T-Dekor 24 profiles come in two colours while the T-Clip profile has an overlapping system to prevent unevenness once mounted.



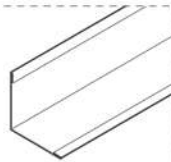
T-35 Profile system

Galvanized steel profile in a T-shape 38mm in height and 35mm base, pre-lacquered in white or silver. Forms a modular structure made up of 3.7m primary profiles and 1.2m or 0.60m secondary profiles.



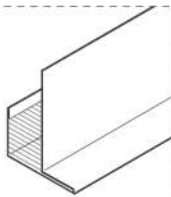
Clip-in profile

Galvanized steel profile in a triangular shape where the lower vertex is open for the insertion of the Sicilia Clip-in and Capri model panels. The suspension structure and profiles are fully concealed.



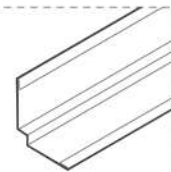
Angular profile

Pre-lacquered galvanized steel profiles designed for the perimeter support of false ceilings. The angular profiles have standard measurements of 24x24 mm, 30x30mm and 15x33mm allowing easy attachment to the wall and an attractive appearance.



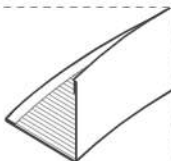
Cornice profile

Pre-lacquered galvanized steel profiles designed to join vertical and horizontal spaces in an easy to install and attractive manner. The cornice profiles measure 13x33mm (Cornice profile 13) and 16x36 mm (Cornice Profile 16).



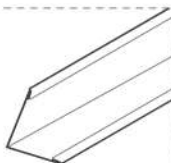
Double angular

Pre-lacquered galvanized steel profiles designed for the perimeter support of false ceilings. The double angular profile is symmetrical with two 24 and 10mm sections which combine to produce a perimeter finish which conceals any possible irregularities in the wall.



Flexible profile

Profiles designed for the perimeter support of false ceilings. The flexible profile is an extruded angular PVC profile designed to adapt to the curves of columns up to 360° and measures 22 x 28mm.



45° profile

Pre-lacquered galvanized steel profiles designed for marrying up spaces at different angles allowing original designs around the perimeter of the false ceiling. The 45° angular profiles measure 30x30mm with a thickness of 0.5mm.

LAMINATED PLASTER- BOARD PROFILE

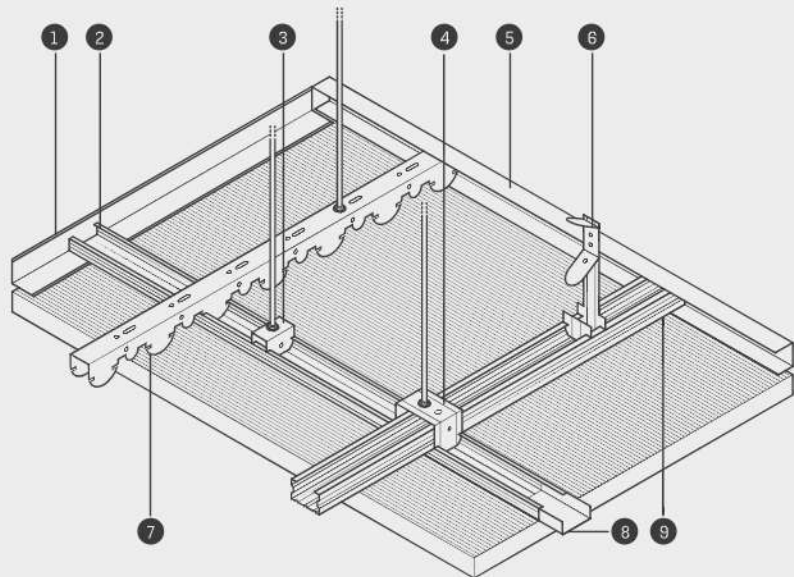
The introduction of laminated plaster panels in construction allows time saving and a reduction in stored material. This system can be used for both new construction purposes as well as the repair of older or damaged walls and cracked ceilings or the addition of partitions and small building alterations, ensuring good insulation.

This type of construction requires a **steel support profile arrangement** which will act as a skeleton on which to screw the panels and provide a rigid base to the whole system.

THU can provide the correct profiles for all types of work as well as the necessary parts and accessories to ensure a perfect finish with this type of material.

01 CEILINGS

Profile system manufactured in galvanized steel designed for the installation of false ceilings. The thicknesses guarantee a rigid structure and permit the swift installation of continuous plasterboard panel ceilings, producing high quality finishes. The TC profile is fixed to the ceiling frame in a secure manner by means of a batten into which it fits swiftly and easily. Different lengths and heights are available.

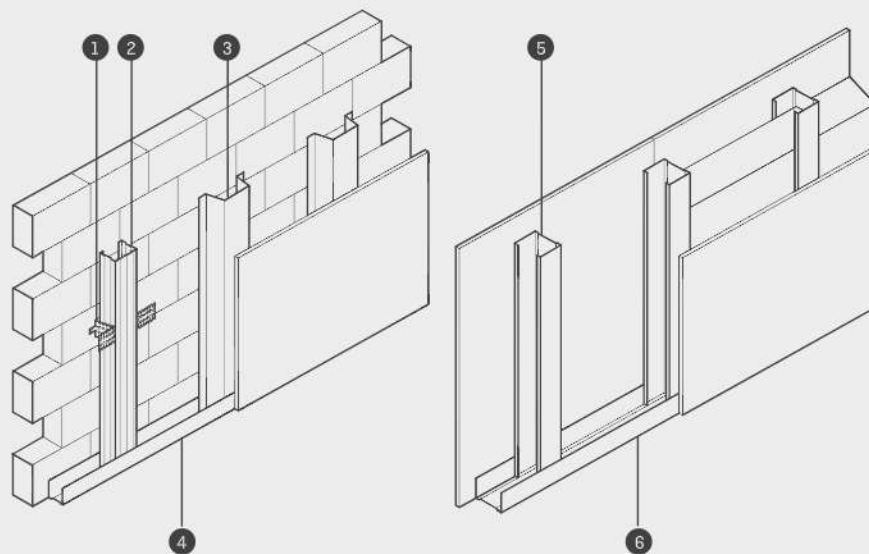


- ① Angular
- ② TCF-47 profile
- ③ TC-47 hanger
- ④ TC-47 crosspiece
- ⑤ U-30 Profile
- ⑥ Regulable hanger
- ⑦ TC-475 Panel Carrier
- ⑧ Splice TC-47
- ⑨ TC-47
TCNU 47 Profile

02

PARTITIONS

Construction system based on galvanized steel channel, upright and reinforcement profiles for holding in place laminated plasterboard partitions. The thickness of the plate used for the profiles ensures a solidity to the unit, while the reinforced fin is specially designed for the attachment of plasterboard panels onto traditional partitions.



SHAFT WALL PROFILES

- 1 Direct anchoring
- 2 TC-47/ TC-60 Profile
- 3 Omega 15 / Omega 30
- 4 U-30 Profile

PARTITION PROFILES

- 5 Stud C-46 / C-70 / C-90 / C-125 / C-150
- 6 Channel profile U-48 / U-72 / U-92 / U-127 / U-152

THU

ceiling
solutions

THU PERFIL S.L
Masía de Monte Alcedo Parcela, 4.3
P.I. Masía Baló, 46394
Ribarroja del Turia (Valencia)

T. Pedidos. 96 134 05 44
T. Admón. 96 134 51 23
info@thu-perfil.com

www.thu-perfil.com