

FALSE CEILING

FOR HEALTHCARE, HOSPITALS, SURGERY, INTENSIVE,
PHARMACEUTICAL LABORATORIES, MEDICAL CLINICS,
FOOD PROCESSING, KITCHENS, SCHOOLS
ANTI MICROBIAL HYGIEN BIOLOGICAL SURFACE TREATMENT
PREPAINTED ALUMINIUM AND STEEL



Italian excellence for architectural solutions

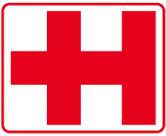


Certified Quality Management System
UNI EN ISO 9001:2015

Certified Environmental Management System
UNI EN ISO 14001:2015



Products with Standards
European Certified
EN 13964:2014 - EN 14195:2005



BIO SANITAS ANTIMICROBIAL ACTIVE HYGIEN COIL COATING TREATMENT

The **BIO SANITAS** line identifies all the aluminium and steel false ceilings suitable for the use in **healthcare and hospital infrastructures**, *surgery departments, neonatology, intensive care, medical offices, analysis laboratories, etc...*

Their usage is highly recommended in **high traffic places** where frequent sanitizing treatments are not in place: *kindergartens, schools, public offices, banks, shopping centres, recreational spaces, canteens, kitchens, restaurants, food processing, laboratories, etc...*

During the continuous painting cycle of coil coating, the application of particular paints with **Pro Hygien biological sanitizing treatment** gives the false ceilings surfaces specific **active inhibitory anti-microbial properties**. A special protective anti-static primer on the back ensures **resistance to humidity**. Our **BIO SANITAS** products are the maximum sanitizing guarantee with a **smooth and homogeneous surface, NOT porous and NOT hygroscopic**. They **DO NOT absorb dirt, DO NOT release volatile harmful micro dusts** into the air such as mineral fibres, glass wool, rock wool. They are **perfectly washable** with total resistance to vapours, liquids and all frequent sanitizing interventions. Tests in accordance with **ISO 22196:2007** conducted in specialized laboratories have demonstrated the timely and effective **reduction within 24 hours of over 99.99% of colonies of the following bacteria**: *Staphylococcus Aureus, Escherichia Coli O1257, Legionella Pneumophila, Salmonella Enteritidis, Pseudomonas aeruginosa, Enterobacter Aerogenes, Enterococcus Faecalis.*

TREATMENT

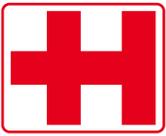
2 degrees + chrome-free passivation

Upper Facade

- Primer 5 - 7 micron
- Top white PRO-HYGIEN 15 - 20 micron
- Or
- Primer 5 - 7 micron (only for steel)
- Base PE 10 - 15 micron
- Top transparent PRO-HYGIEN 12 micron

Lower Facade Back coat 4 - 6 micron





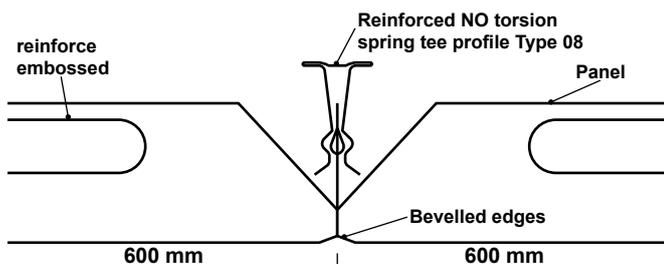
Type Q6060 CLIP-IN aluminium Technical Specification

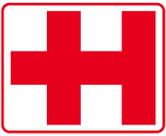
False suspended ceiling **TYPE METALSCREEN BIO SANITAS Q6060 CLIP-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable plain panels mm.600x600, closed bevelled edges and embossed reinforce all four sides to avoid air flow and powder infiltration. NOT allowed plain borders, made of pre painted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,5-0,6 Incombustible Euroclass A1 color White Sanitas RAL 9003 NOT allowed powder coated paints (thickness follow the choice of the Consultant). The panels clip on concealed double system without snap and hooks composed of **TYPE METALSCREEN 08** Tee spring hot deep galvanized steel reinforced runner connected with **TYPE METALSCREEN G8** metal coupling on **TYPE METALSCREEN U2** primary supporting carrier hot dipped galvanized steel thickness mm.0,7 U section with longitudinal reinforce torsion proof suspended each mm.1200. The panels on perpendicular side of tee spring runner are clipped with **METALSCREEN TYPE 35** union metal snap to avoid air floss and powder passage. Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN C30 PUSH DOWN** C section mm.20x30x20 pre painted aluminium same color of the panels with lock lips or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 of the panels and to avoid to cut the panels manually. To obtain more soundproof acoustical benefit the panels will be supplied micro perforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border surface with **TNT** acoustic nonwoven soundproof black fleece (follow choice of the Consultant).

Type Q6060 CLIP-IN steel Technical Specification

False suspended ceiling **TYPE METALSCREEN BIO SANITAS Q6060 CLIP-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable plain panels mm.600x600, closed bevelled edges and embossed reinforce all four sides, NOT allowed plain borders, made of pre painted steel Coil Coating thickness mm.0,5 Incombustible Euroclass A1 color White Sanitas RAL 9003 NOT allowed powder coated paints. The panels clip on concealed double system composed of **TYPE METALSCREEN 08** Tee spring hot deep galvanized steel reinforced runner connected with **TYPE METALSCREEN G8** metal coupling supported without snap and hooks on **TYPE METALSCREEN U2** primary supporting carrier hot dipped galvanized steel thickness mm.0,7 U section with longitudinal reinforce torsion proof suspended at mm.1200. The panels on perpendicular side of tee spring runner are clipped with **METALSCREEN TYPE 35** union metal snap to avoid air floss and powder passage. Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN C30 PUSH DOWN** C section mm.20x30x20 pre painted aluminium same color of the panels with lock lips or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White Sanitas similar RAL 9003 to keep the same module mm.600x600 of the panels and avoid to cut the panels manually. To obtain more soundproof acoustical benefit the panels will be supplied micro perforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border surface with **TNT** acoustic nonwoven soundproof black fleece (follow choice of the Consultant).

CLIP-IN CONCEALED SYSTEM



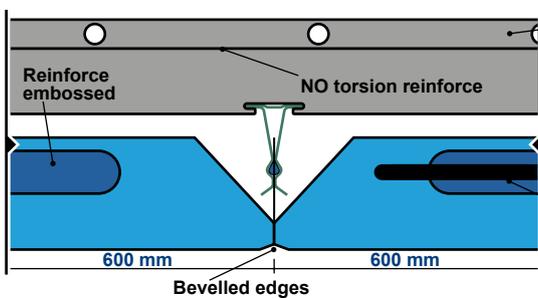


CLIP-IN SYSTEM double concealed suspension

The Clip-In system panels with double concealed structure is composed of **TYPE METALSCREEN 08** Tee spring hot deep galvanized steel reinforced runner each 600 mm connected with **TYPE METALSCREEN G8** metal coupling. The spring Tee runner supported without snap and hooks from **TYPE METALSCREEN U2** primary supporting U carrier hot dipped galvanized steel thickness mm.0,7 U section with longitudinal reinforce torsion proof suspended at mm.1200. The panels on perpendicular side of tee spring runner are clipped with **METALSCREEN TYPE 35** union metal snap to avoid air floss and powder passage. Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN C30 PUSH DOWN** C section mm.20x30x20 pre painted aluminium same color of the panels with lock lips or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White Sanitas similar RAL 9003 to keep maintain the same module mm.600x600 of the panels and avoid to cut the panels manually. To obtain more soundproof acoustical benefit the panels. Optional if required a rubber gasket will be supplied and applied during installation from the installer.

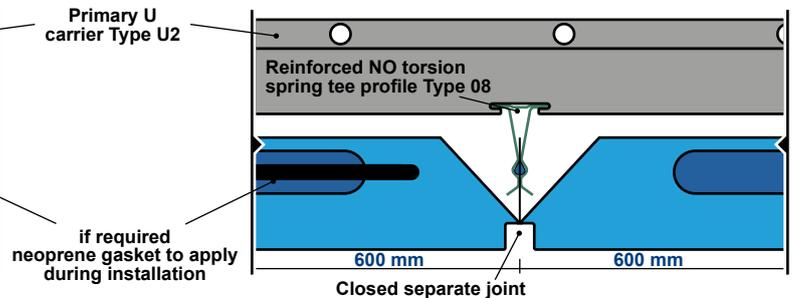
Type Q6060

closed joint with bevelled edges



Type AKUTRON

closed with separate joint



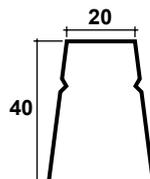
Type 35

Union panels metal snap



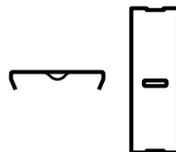
Type U2

Primary U carrier NO torsion galvanized steel reinforced thickness mm.0,7



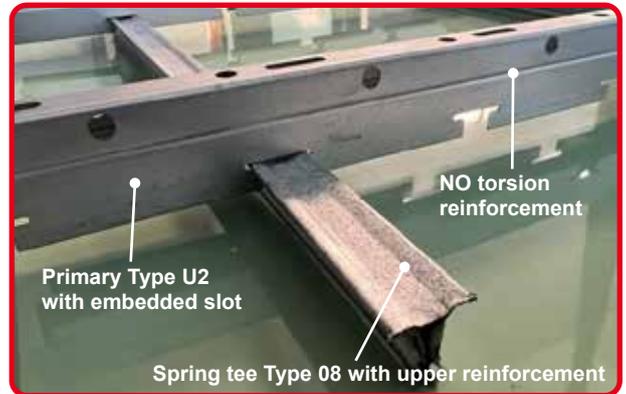
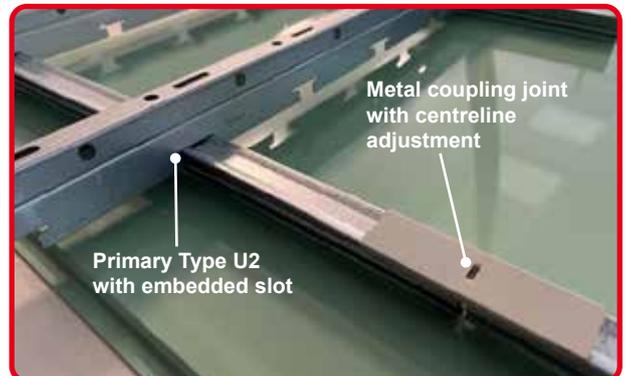
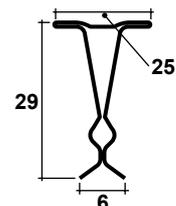
Type G8

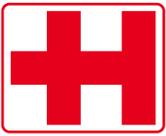
Metal coupling joint with centreline adjustment



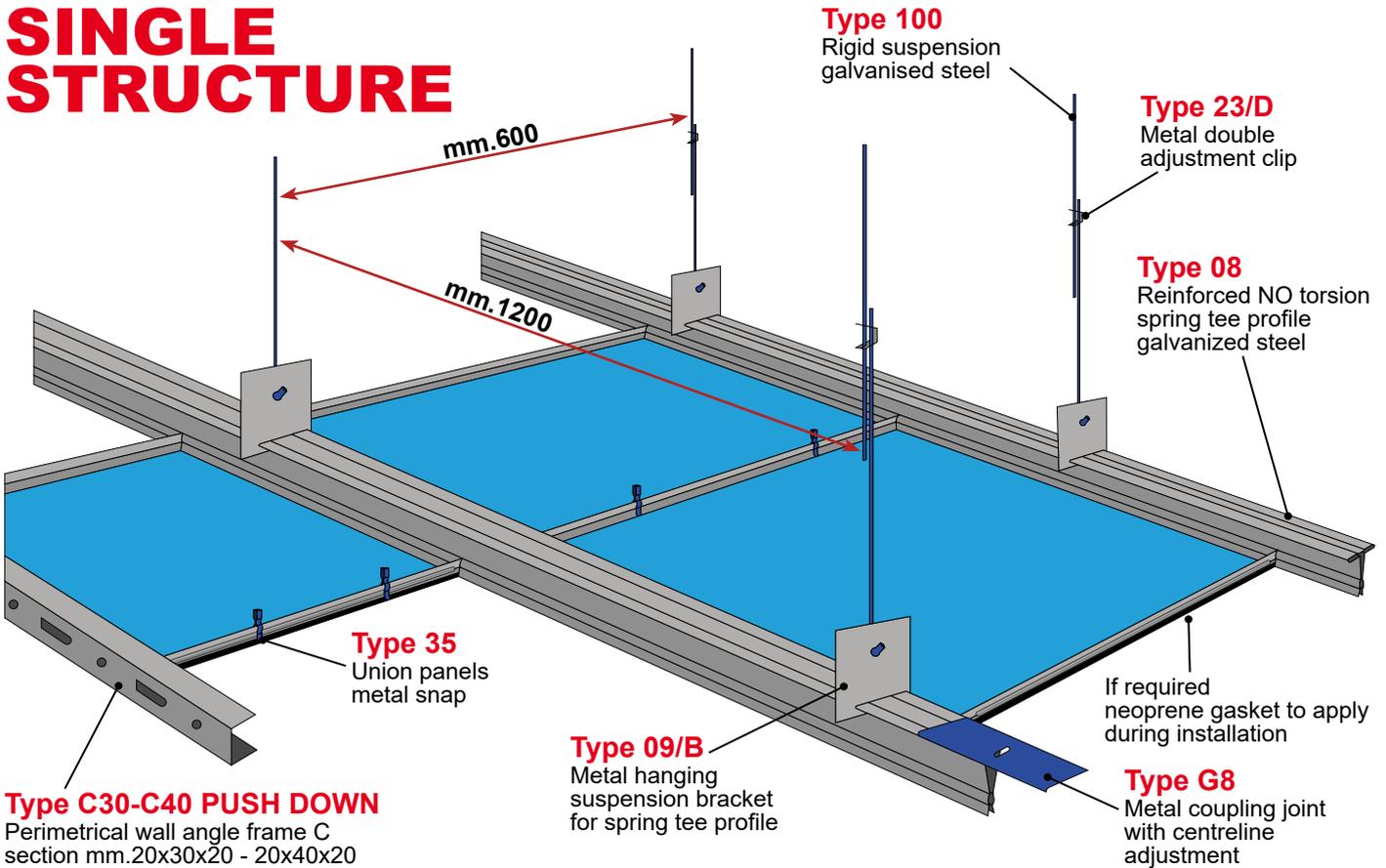
Type 08

Reinforced NO torsion spring tee profile galvanized steel

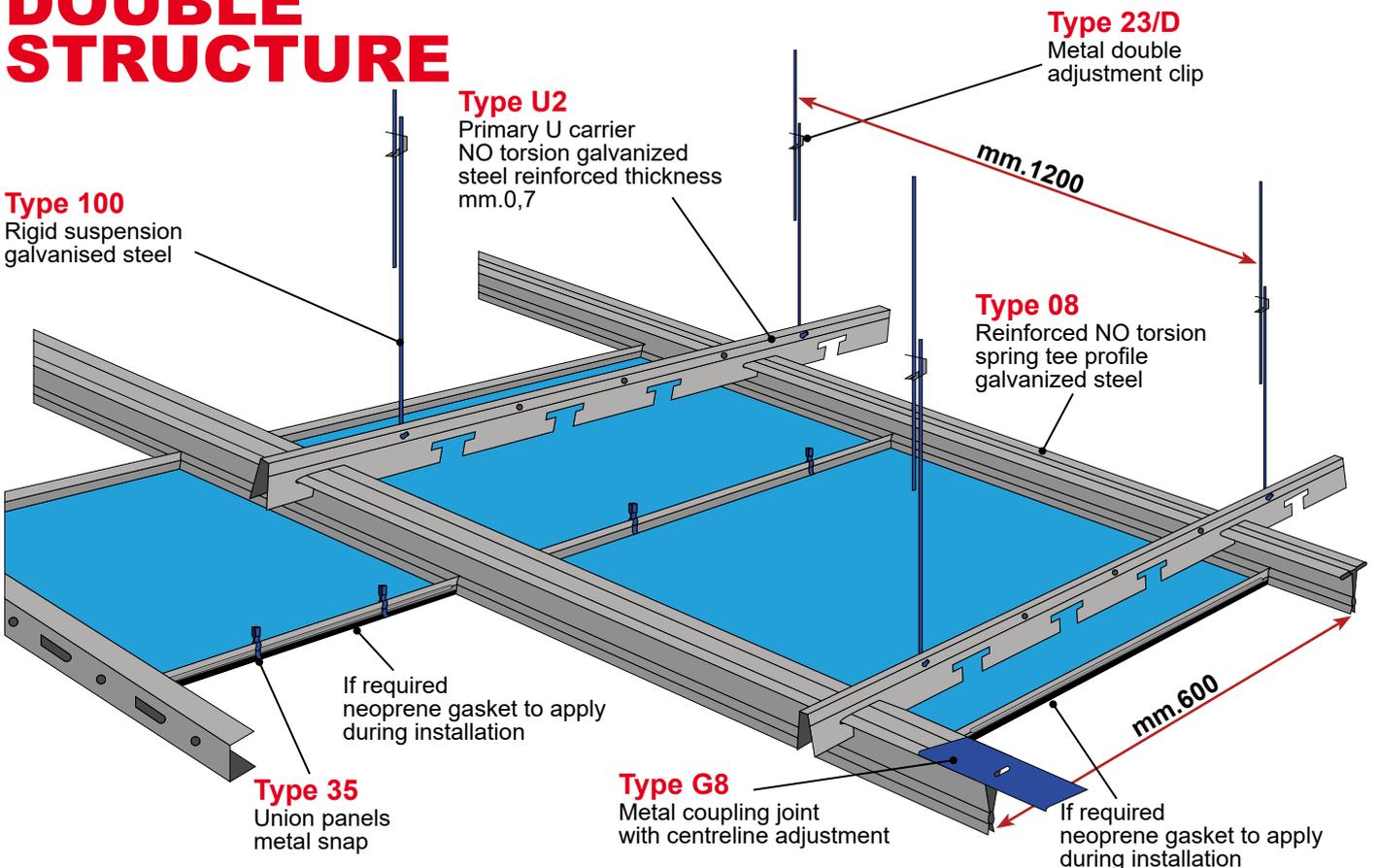


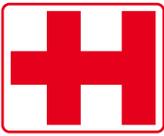


SINGLE STRUCTURE



DOUBLE STRUCTURE





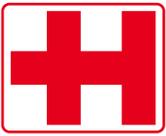
Management system certification
ISO 9001:2015 Quality
ISO 14001:2015 Environmental

41030 BOMPOR TO MODENA ITALY-EU Via A. Moro 38 Ph. +39 059.8170611
www.metalscreen.it metalscreen@metalscreen.it

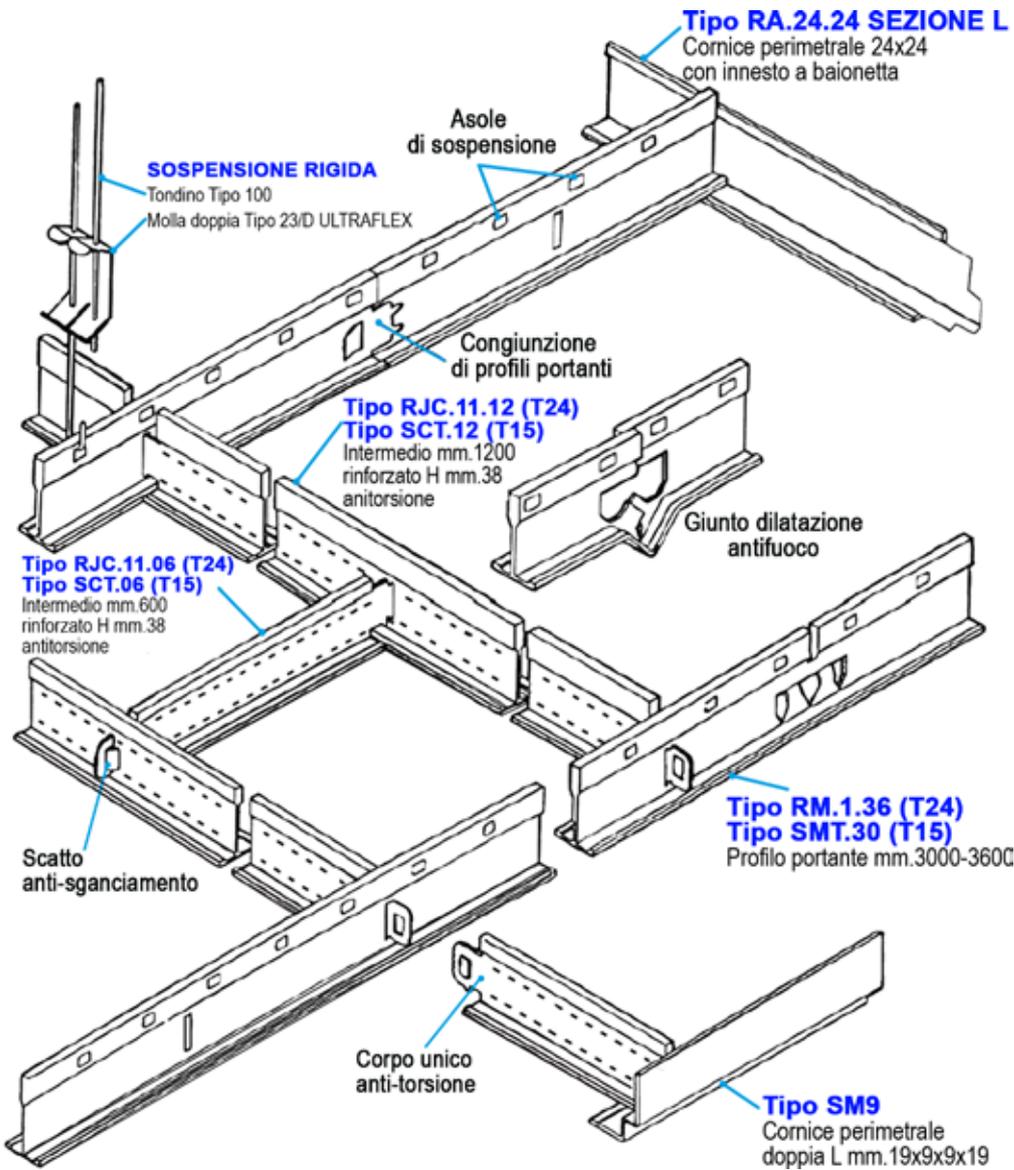
100% MADE IN ITALY



Products with Standards
European Certified
EN 13964:2014 - EN 14195:2005

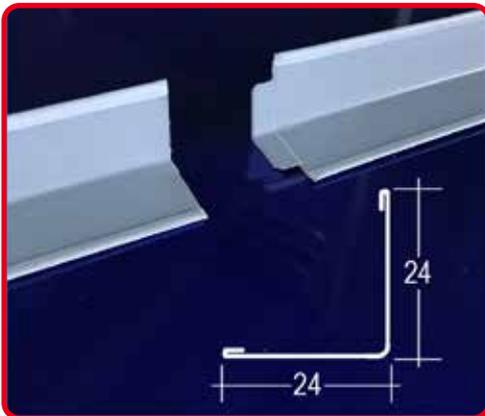


TWIN LOCK exposed T suspension grid for panels

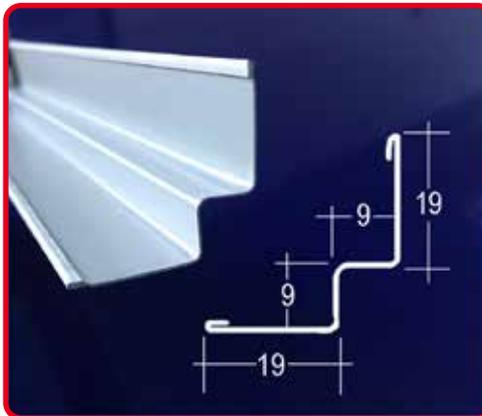


PERIMETRICAL WALL ANGLE PROFILES *pre painted aluminium and steel*

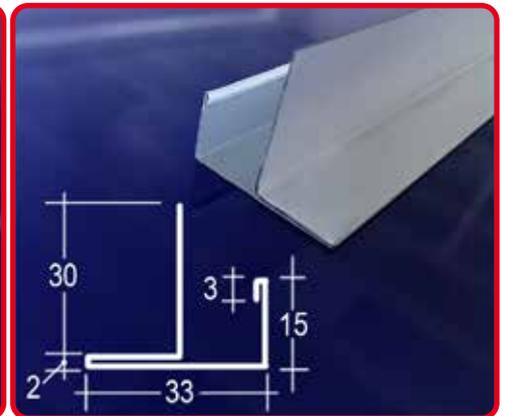
Type RA 24.24

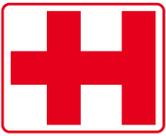


Type SM9



Type RU 13mm - 16mm





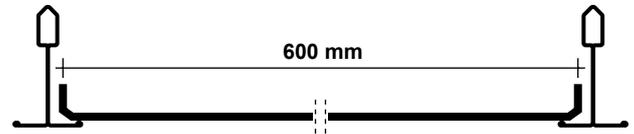
Type BOXER SK BOARD aluminium

Technical Specification

False suspended ceiling TYPE METALSCREEN BIO SANITAS BOXER SK BOARD LAY-ON anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 bevelled edges made of pre painted aluminium thickness mm.0,5-0,6 Coil Coating alloy 3105-h44-48 Incombustible Euroclass A1 color White Sanitas RAL 9003 NOT allowed powder coated paints (thickness follow the choice of the Consultant).

Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with TNT acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-on plan reticular exposed suspension system TYPE METALSCREEN TWIN LOCK T grid section main runner and cross tees mm.600-1200 dimension mm.24 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color White Sanitas similar RAL 9003 washable 100% humidity resistant corrosion proof saltiness.

Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle TYPE METALSCREEN RA L section mm.24x24 pre painted aluminium similar White Sanitas RAL 9003 or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.



Type BOXER SK BOARD steel

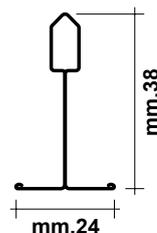
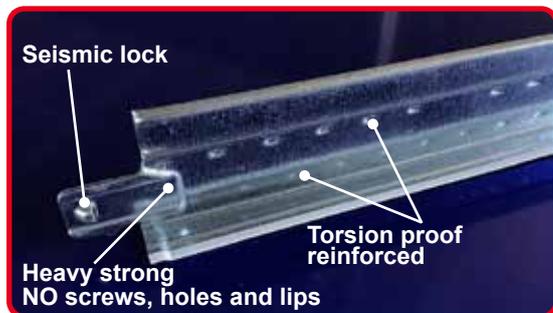
Technical Specification

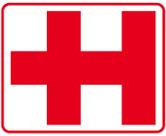
False suspended ceiling TYPE METALSCREEN BIO SANITAS BOXER SK BOARD LAY-ON anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 bevelled edges made of pre painted steel Incombustible Euroclass A1 thickness mm.0,5 Coil Coating color White Sanitas RAL 9003 NOT allowed powder coated paints (thickness follow the choice of the Consultant).

Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with TNT acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-on plan reticular exposed suspension system TYPE METALSCREEN TWIN LOCK T grid section main runner and cross tees mm.600-1200 dimension mm.24 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color similar White Sanitas RAL 9003.

Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle TYPE METALSCREEN RA L section mm.24x24 pre painted steel color White Sanitas similar RAL 9003 or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.

TWIN LOCK exposed T grid suspension





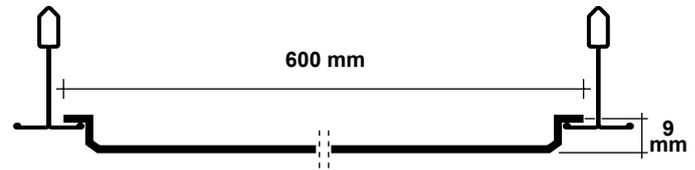
Type **BOXER VT-9 TEGULAR** aluminium

Technical Specification

False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER VT-9 TEGULAR LAY-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 reveal bevelled edges made of pre painted aluminium thickness mm.0,5-0,6 Coil Coating alloy 3105-h44-48 Incombustible Euroclass A1 color White Sanitas RAL 9003 NOT allowed powder coated paints (thickness follow the choice of the Consultant).

Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with **TNT** acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-in reticular exposed suspension system **TYPE METALSCREEN TWIN LOCK T** grid section main runner and cross tees mm.600-1200 dimension mm.24 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color simil White Sanitas RAL 9003 washable 100% humidity resistant corrosion proof saltiness.

Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN RA L** section mm.24x24 pre painted aluminium color White Sanitas similar RAL 9003 or with gypsum board frames with T bar profile mm.24x38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.



Type **BOXER VT-9 TEGULAR** steel

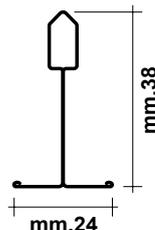
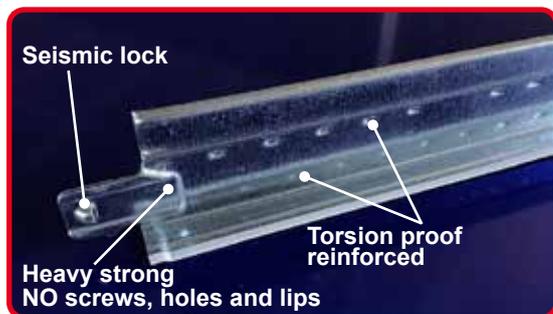
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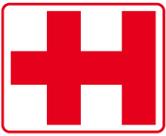
False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER VT-9 TEGULAR LAY-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 reveal bevelled edges made of pre painted steel Incombustible Euroclass A1 thickness mm.0,5 Coil Coating color White Sanitas RAL 9003 NOT allowed powder coated paints (thickness follow the choice of the Consultant).

Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with **TNT** acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-in reticular exposed suspension system **TYPE METALSCREEN TWIN LOCK T** grid section main runner and cross tees mm.600-1200 dimension mm.24 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color similar White Sanitas RAL 9003.

Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN RA L** section mm.24x24 pre painted steel color similar White Sanitas RAL 9003 or with gypsum board frames with T bar profile mm.24x38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.

TWIN LOCK exposed T grid suspension





Type **BOXER VT-15 MICROLOOK** aluminium Technical Specification

False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER VT-15 MICROLOOK LAY-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 reveal bevelled edges made of pre painted aluminium thickness mm.0,5-0,6 Coil Coating alloy 3105-h44-48 Incombustible Euroclass A1 color White Sanitas RAL 9003 NOT allowed powder coated paints (thickness follow the choice of the Consultant).

Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with **TNT** acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-in reticular exposed suspension system **TYPE METALSCREEN TWIN LOCK** slim T grid section main runner and cross tees mm.600-1200 dimension mm.15 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color simil White Sanitas RAL 9003 washable 100% humidity resistant corrosion proof saltiness.

Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN RA** L section mm.24x24 pre painted steel similar White Sanitas RAL 9003 or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.

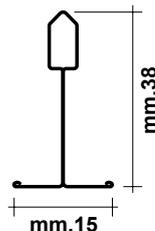
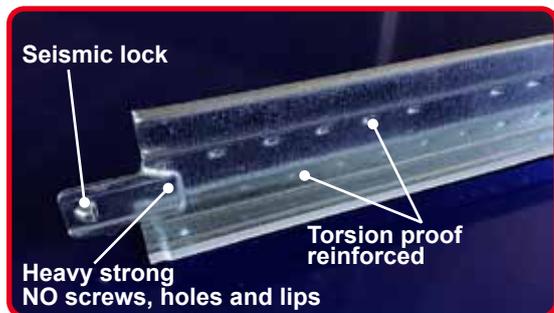


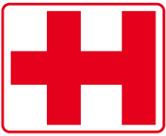
Type **BOXER VT-15 MICROLOOK** steel Technical Specification

False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER VT-15 MICROLOOK LAY-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 reveal bevelled edges made of pre painted steel Incombustible Euroclass A1, thickness mm.0,5 Coil Coating color White Sanitas RAL 9003 NOT allowed powder coated paints. Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with **TNT** acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-in reticular exposed suspension system **TYPE METALSCREEN TWIN LOCK** slim T grid section main runner and cross tees mm.600-1200 dimension mm.15 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color simil White Sanitas RAL 9003 washable 100% humidity resistant corrosion proof saltiness.

Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN RA** L section mm.24x24 pre painted steel similar White Sanitas RAL 9003 or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.

TWIN LOCK exposed T grid suspension

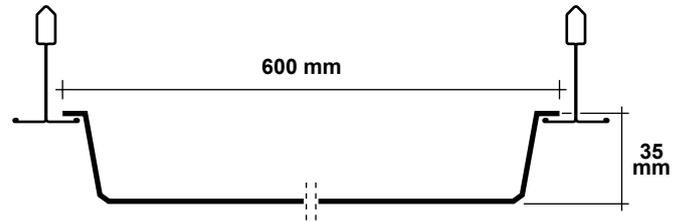




Type **BOXER VT-24 DEEP TEGULAR 3D** Technical Specification

False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER VT-24 DEEP TEGULAR 3D LAY-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable Box panels mm.600x600 height mm.35 reveal oblique edges. Made of pre painted aluminium Incombustible Euroclass A1 thickness mm.0,5-0,6 Coil Coating alloy 3105-h44-48 color White Sanitas RAL 9003 (thickness, follow the choice of the Consultant).

Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with **TNT** acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-in reticular exposed suspension system **TYPE METALSCREEN TWIN LOCK** T grid section main runner and cross tees mm.600-1200 dimension mm.24 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color White sanitas similar White RAL 9003 washable 100% humidity resistant corrosion proof saltiness. Follow instruction from consultant lateral end finiture are realized with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.



Type **BOXER REVERSE VT-24 DEEP TEGULAR 3D** Technical Specification

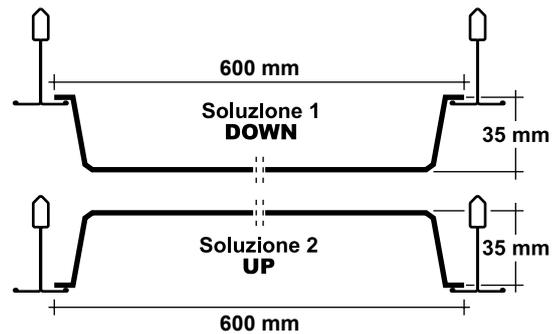
False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER REVERSE VT-24 DEEP TEGULAR LAY-IN** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable Box panels mm.600x600 height mm.35 reveal oblique edges.

Made of pre painted aluminium thickness mm.0,5-0,6 Coil Coating alloy 3105-h44-48 Incombustible Euroclass A1 color White Sanitas RAL 9003 (thickness, color and finishes follow the choice of the Consultant).

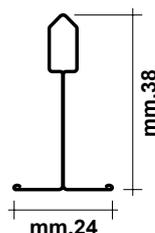
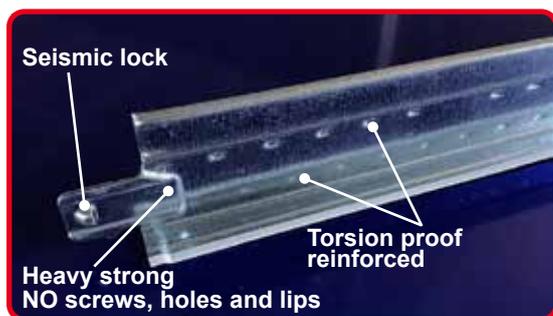
Plain surface or microperforated diagonal circle holes diameter mm.3

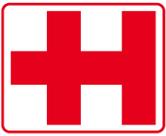
Total - Central mm.400x400 with mm.100 plain border with **TNT** acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) lay-in reticular exposed suspension system **TYPE METALSCREEN TWIN LOCK** T grid section main runner and cross tees mm.600-1200 dimension mm.24 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color White Sanitas simil RAL 9003 washable 100% humidity resistant corrosion proof saltiness.

Follow instruction from consultant lateral end finiture are realized with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels. The box panels installed drop reverse UP and DOWN on the same T grid suspension system.



TWIN LOCK exposed T grid suspension



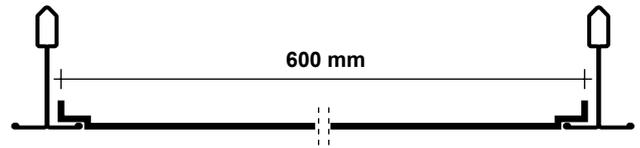


Type **BOXER FLUSH VT FLAT** aluminium Technical Specification

False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER FLUSH VT FLAT** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 reveal bevelled edges made of pre painted aluminium thickness mm.0,5-0,6 Coil Coating alloy 3105-h44-48 Incombustible Euroclass A1 color White Sanitas RAL 9003 NOT allowed powder coated paints (thickness follow the choice of the Consultant).

Plain surface or microperforated diagonal circle holes diameter mm.3 Total - Central mm.400x400 with mm.100 plain border with **TNT** acoustic nonwoven soundproof fleece on the back (follow choice of the Consultant) flat on reticular exposed suspension system **TYPE METALSCREEN TWIN LOCK** slim T grid section main runner and cross tees mm.600-1200 dimension mm.15 height mm.38 made of hot dipped galvanized steel with exposed pre painted aluminium capping color simil White Sanitas RAL 9003 washable 100% humidity resistant corrosion proof saltiness same color of the panels.

Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN RA** L section mm.24x24 pre painted aluminium similar White Sanitas RAL 9003 or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.



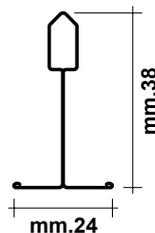
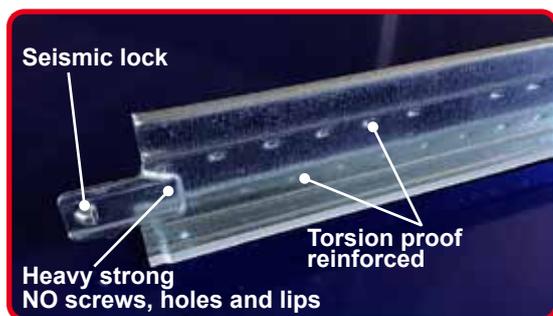
Type **BOXER FLUSH VT FLAT** steel Technical Specification

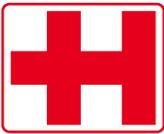
False suspended ceiling **TYPE METALSCREEN BIO SANITAS BOXER FLUSH VT FLAT** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable panels mm.600x600 height mm.9 reveal bevelled edges made of pre painted steel Incombustible Euroclass A1 thickness mm.0,5 Coil Coating color White Sanitas RAL 9003 NOT allowed powder coated paints.

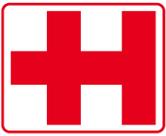
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Follow instruction from consultant lateral end finiture are realized with perimetrical wall edge angle **TYPE METALSCREEN RA** L section mm.24x24 pre painted steel similar White Sanitas RAL 9003 or with gypsum board frames with T bar profile mm.24xh38 with pre painted aluminium capping color White to keep the same module mm.600x600 to avoid cut manually the panels.

TWIN LOCK exposed T grid suspension





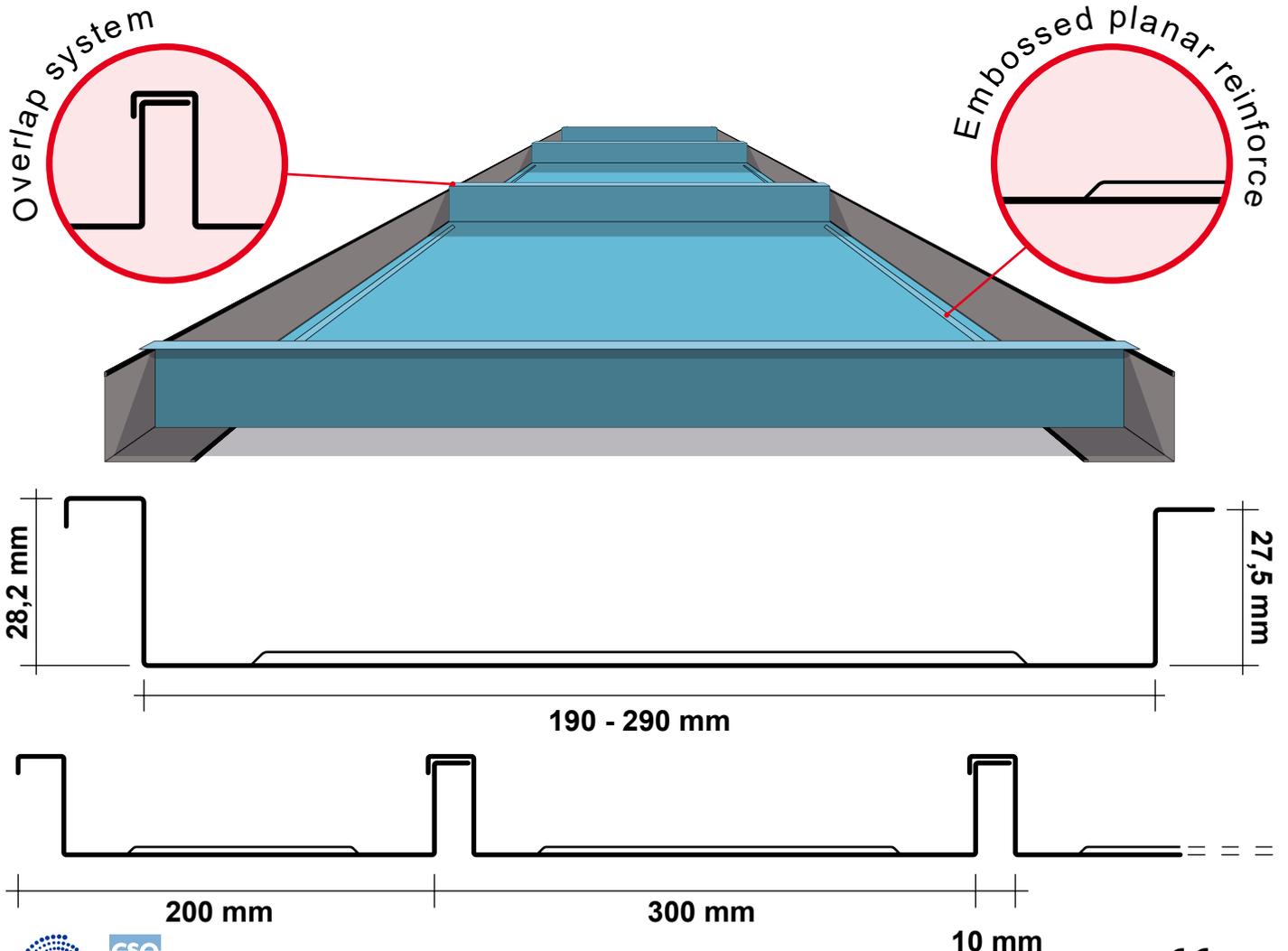


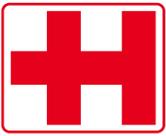
Type LD-R SELF SUPPORTING aluminium Technical Specification

False suspended ceiling for corridors **TYPE METALSCREEN BIO SANITAS LD-R** anti-microbial active Hygien bacteria proof coating with blister protection film realized with fully removable self-supporting linear panels plain shaped edges width mm.190-290 height mm.28 pitch mm.200-300 with mm.10 closed joint gap and embossed planar reinforce at end. Made of pre painted aluminium Incombustible Euroclass A1 Coil Coating alloy 3105-h44-48 thickness mm.0,6 color White Sanitas RAL 9003 (pitch follow the choice of the Consultant). The panels are suspended lay-on perimetrical edge angle profile **TYPE METALSCREEN RA L** section mm.24X24 pre painted aluminium color White Sanitas RAL 9003 fixed on the walls at the same level. To obtain more soundproof acoustical benefit the panels will be supplied micro perforated diagonal circle holes diameter mm.3 with **TNT** acoustic nonwoven soundproof black fleece (follow choice of the Consultant) The self-supporting panels are supplied cut at required customize lengths.

Type LD-R SELF SUPPORTING steel Technical Specification

False suspended ceiling for corridors **TYPE METALSCREEN BIO SANITAS LD-R** anti-microbial active Hygien bacteria proof coating with blister protection film realized with fully removable self-supporting linear panels plain shaped edges width mm.190-290 height mm.28 pitch mm.200-300 with mm.10 closed joint gap and embossed planar reinforce at end. Made of pre painted steel Incombustible Euroclass A1 Coil Coating alloy 3105-h44-48 thickness mm.0,6 color White Sanitas RAL 9003 NOT allowed powder coating paints (pitch follow the choice of the Consultant). The panels are suspended lay-on perimetrical edge angle profile **TYPE METALSCREEN RA L** section mm.24X24 pre painted steel color White Sanitas simil RAL 9003 fixed on the walls at the same level. To obtain more soundproof acoustical benefit the panels will be supplied micro perforated diagonal circle holes diameter mm.3 with **TNT** acoustic nonwoven soundproof black fleece (follow choice of the Consultant) The self-supporting panels are supplied cut at required customize lengths.



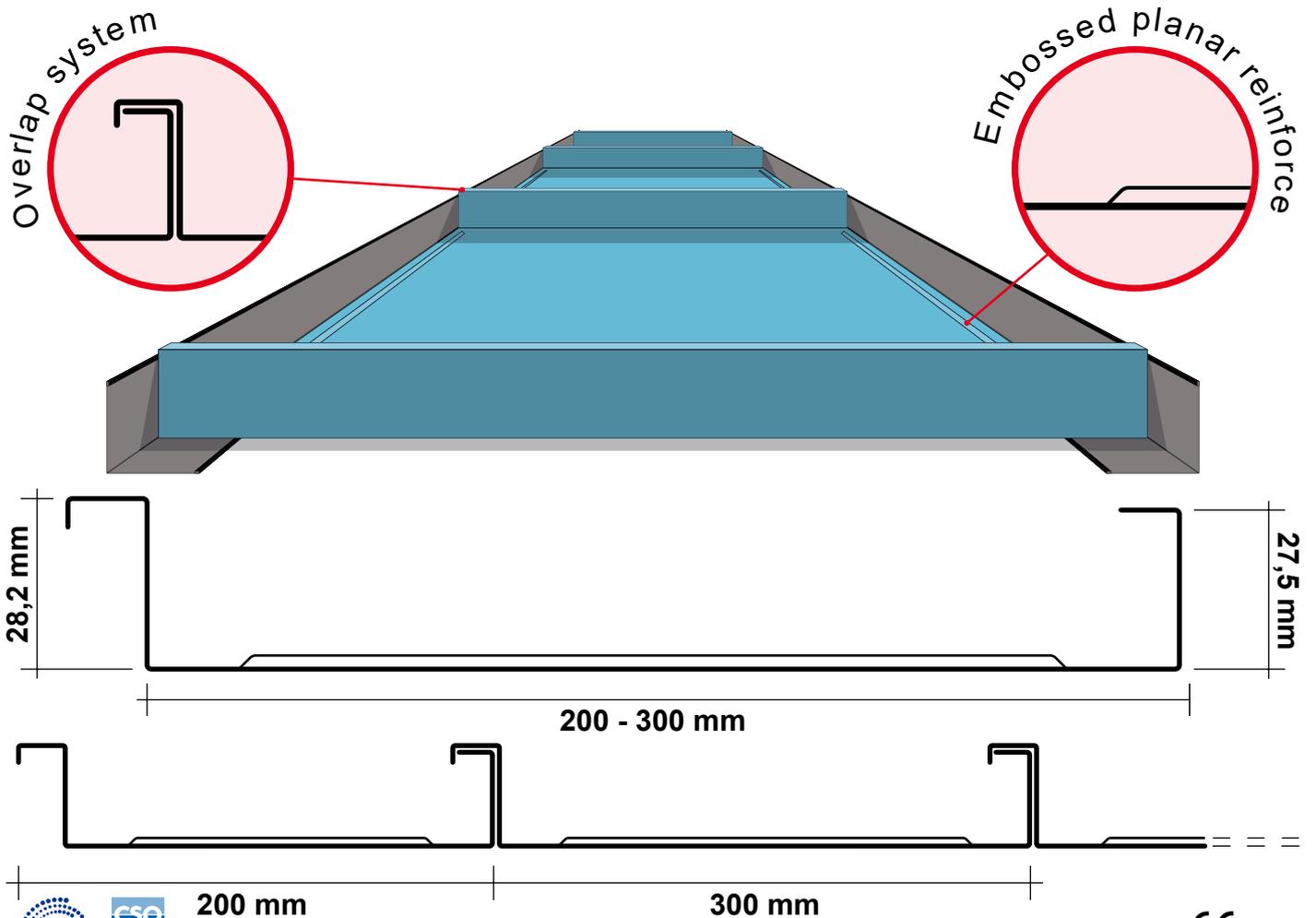


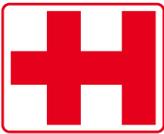
Type LD-RAC SELF SUPPORTING aluminium Technical Specification

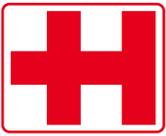
False suspended ceiling for corridors TYPE METALSCREEN BIO SANITAS LD-RAC anti-microbial active Hygien bacteria proof coating with blister protection film realized with fully removable self-supporting linear panels plain shaped edges width mm.200-300 height mm.28 pitch mm.200-300 closed without joint gap and embossed planar reinforced at end. Made of pre painted aluminium Incombustible Euroclass A1 Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color White Sanitas RAL 9003 (pitch follow the choice of the Consultant). The panels are suspended lay-on perimetrical edge angle profile TYPE METALSCREEN RA L section mm.24X24 pre painted aluminium color similar White Sanitas RAL 9003 fixed on the walls at the same level. To obtain more soundproof acoustical benefit the panels will be supplied micro perforated diagonal circle holes diameter mm.3 with TNT acoustic nonwoven soundproof black fleece (follow choice of the Consultant). The self-supporting panels are supplied cut at required customize lengths.

Type LD-RAC SELF SUPPORTING steel Technical Specification

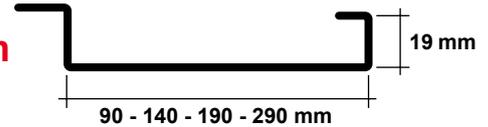
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Type LA CLOSED JOINT aluminium Technical Specification



False suspended ceiling **TYPE METALSCREEN BIO SANITAS LA** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable linear panels plain shaped edges width mm.90-140-190-290 height mm.19 pitch mm.100-150-200-300 with mm.10 closed joint gap. Made of pre painted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 color White Sanitas RAL 9003 (pitch follow the choice of the Consultant).

The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 63/100Z STRONG** U section with longitudinal hard torsion-proof reinforce or Omega section Type 44-01 made of hot dipped galvanized steel reinforced thickness mm.0,7 perpendicular suspended at maximum mm.1000.

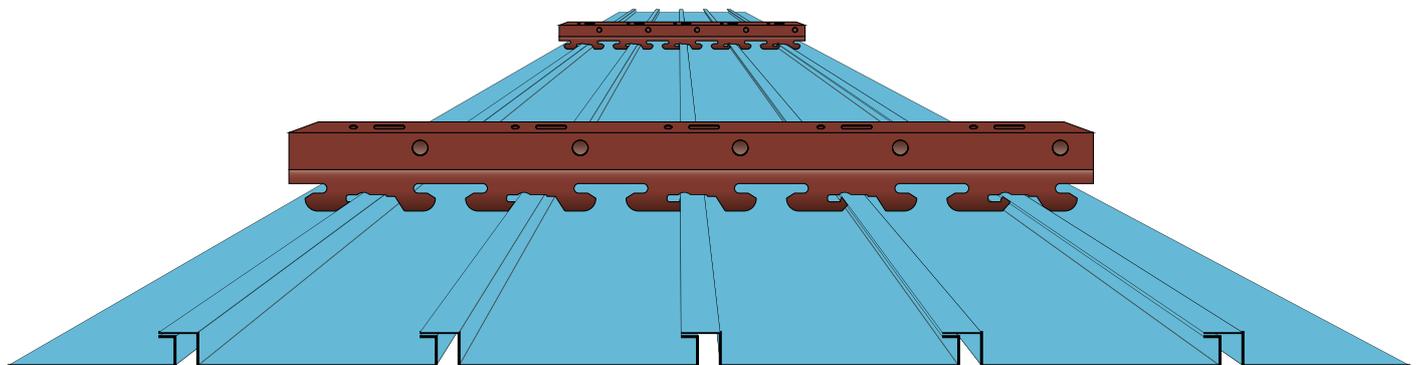
To obtain more soundproof acoustical benefit the panels will be supplied micro perforated diagonal circle holes diameter mm.3 with **TNT** acoustic nonwoven soundproof black fleece (follow choice of the Consultant). The panels system has perimetrical edge angle profile **TYPE METALSCREEN RA** L section mm.24X24 pre painted aluminium color White Sanitas similar RAL 9003 fixed on the walls at the same level.

Type LA CLOSED JOINT steel Technical Specification

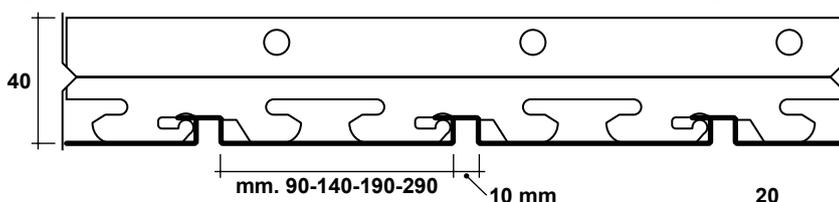
False suspended ceiling **TYPE METALSCREEN BIO SANITAS LA** anti-microbial active Hygien bacteria proof coating with blister protection film realized with removable linear panels plain shaped edges width mm.90-140-190-290 height mm.19 pitch mm.100-150-200-300 with mm.10 closed joint gap. Made of pre painted steel Coil Coating thickness mm.0,5 color White Sanitas RAL 9003 (pitch follow the choice of the Consultant).

The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 63/100Z STRONG** U section with longitudinal hard torsion-proof reinforce or Omega section Type 44-01 made of hot dipped galvanized steel reinforced thickness mm.0,7 perpendicular suspended at maximum mm.1000.

To obtain more soundproof acoustical benefit the panels will be supplied micro perforated diagonal circle holes diameter mm.3 with **TNT** acoustic nonwoven soundproof black fleece (follow choice of the Consultant). The panels system has perimetrical edge angle profile **TYPE METALSCREEN RA** L section mm.24X24 pre painted steel color White Sanitas similar RAL 9003 fixed on the walls at the same level.



Type LA fully removal pitch mm.100-150-200-300 closed with joint gap mm.10



Type 63/Z STRONG Supporting main carrier length mm.4000



METALSCREEN RANGE OF PRODUCTS

for internal and external applications - aluminium and pre-painted steel
 incombustible Euroclass A1



LINEAR STRIPES AND PANELS FOR CEILING WALL CLADDINGS INSIDE AND OUTSIDE APPLICATIONS

Rounded and shaped edges, open gap closed joint, windproof without joint. False ceiling panels mm.600x600 concealed systems CLIP-IN and LAY-IN LAY-ON T 24-15 exposed suspension grid system



OPEN CELL CEILING GRID SYSTEMS CARABOTTINO

Open screen grid ceilings squared and rectangular cells, fully movables panels integrated concealed system and LAY-IN LAY-ON T 24-15 exposed suspension grid system. Pre painted aluminium Incombustible Euroclass A1



SUN LOUVRES SOLAR SCREEN LINEAR PANELS 84R

Linear stripes 84R windproof width mm.84 rounded edges clip-on main supporting stringers inclination 30°- 45°- 65°-22°. Pre painted aluminium for external use 100% humidity resistant corrosion proof saltiness Incombustible Euroclass A1



EXPOSED T SUSPENSION GRID FOR LAY-IN CEILING

TWIN LOCK reticular grid T section mm.24 height mm.38 main runner and cross tees mm.600-1200 made of hot dipped galvanized steel with exposed pre painted aluminium capping washable 100% humidity resistant corrosion proof saltiness Incombustible Euroclass A1



CANOPY EXTERNAL CEILING FUEL PETROL STATIONS

Linear modular panels with rounded and shaped edges, open gap closed joint, windproof without joint. Pre painted aluminium and steel for external use 100% humidity resistant corrosion proof saltiness Incombustible Euroclass A1



DRYWALL METAL SECTIONS FOR GYPSUM BOARD

Roll-formed hot dipped galvanized steel large range of construction profiles C stud, U tracks and channels for all plasterboard drywall lining ceilings & partition wall systems. 100% humidity resistant corrosion proof saltiness Incombustible Euroclass A1

Ceilings and Coatings are produced for internal/external application in compliance with the applicable Technical Standards UNI EN 13964. The products are accompanied on request by the Declaration of Performance D.O.P. as required by European Regulation 305/11 concerning the placing of construction products on the market.

CERTIFICATION	
FLEXURAL STRENGTH Max span mm.1200 Class 1	
PAINT DURABILITY Class C	
GALVANIZED DURABILITY Class B	
EMISSION OF HAZARDOUS SUBSTANCES None	
FIRE RESISTANCE Gratings, smooth, perforated planks, perforated panels with TNT Class A1 Perforated slats with acoustic TNT Class A2s1d0	
CORROSION RESISTANCE Galvanised steel products Class C2 Pre-coated galvanised steel products Class C3 Pre-coated aluminium products Class C5	

DURABILITY WASHABLE ROT-PROOF MOISTURE AND CHEMICAL CORROSION PROTECTION

Aluminium suspended ceilings ARE washable and rot-proof, do NOT absorb or produce moisture, do not rust, do not yellow, allowing you to live, work and study in healthy, clean environments.

They are NOT hygroscopic like plasterboard, mineral fibre panels, glass wool and rock wool. They do NOT contain lead or chromium. They do NOT absorb fumes, they do NOT release harmful microfibres into the air. BIO SANITAS coating process with anti-microbial active hygienic paints.

100% RECYCLABLE ECO SUSTAINABILITY COMPATIBILITY

Aluminium is 100% recyclable. Secondary aluminium possesses the same chemical and physical characteristics as primary aluminium. The product contains 85% recycled material. The aluminium laminate production process is carried out with environmental awareness already in the transformation phase, avoiding energy losses, no use of chromium and lead in pre-treatment, no release of harmful dust, gases and sewage into the ecosystem, and even the heat released from the transformation is recirculated to heat the production facilities. All products are 100% recyclable and contribute to LEED certification scores. LEED product mapping available on request - EPD Environmental Product Declaration, the company is certified with a UNI EN ISO 14001 environmental management system.

DISPOSAL AND MAINTENANCE COSTS

They are practically zero; steel and aluminium are 100% recyclable. Aluminium is a valuable noble metal, the product at the end of its life cycle is taken back and purchased from the rolling mills and 100 per cent recycled and not compulsorily disposed of onerously like other harmful products such as chalk, fibrous, glassy, etc. Recycled content is already present, 85%. The undisputed durability of the manufactured product does not require extra maintenance over time but only occasional washing of the product to remove external sediments.

PACKAGING

Our suspended ceilings and cladding products are packaged in waterproof packaging suitable for shipping and outdoor positioning at construction sites and yards, storage in warehouses and on logistics platform docks. Our optimal packaging made of 100% recyclable and recycled elements protects the product in outdoor and indoor environments before installation. This is also Metalscreen's standard of excellence: from the raw materials to the finished, packaged product.

TRANSPORT AND HANDLING IN WAREHOUSES AND CONSTRUCTION SITES

The aluminium is lightweight. Significant reduction in transport costs and easy handling at construction sites and warehouses compared to all other ceiling types on the market.

LOAD-BEARING CAPACITY AND FLEXURAL STRENGTH

The load-bearing capacity and flexural strength, indicated in the data sheets, express limit states for maintaining the flatness and breaking strength characteristics of the membranes and frames.

The metal membranes are Class 1 in flexural strength, and the frames normally have a maximum span of 1200 mm.

In accordance with the Technical Regulations for Construction - Ministerial Decree 14/01/2008, lighting fixtures, elements, accessories, technological appliances must be independently suspended from the ceiling and never burden the ceiling system, which is self-supporting only for itself.

All membranes are designed to ensure that the aesthetic flatness properties are maintained and are normally dimensioned to support their mass.

NON-COMBUSTIBLE REACTION TO FIRE EUROCLASS A1

Aluminium and pre-painted steel are classified as non-combustible DOES NOT react to fire DOES NOT produce any harmful emissions. Suspended ceilings and cladding comply with the Euroclass A1 standard (formerly Class 0) for building materials; systems with perforated metal membrane with acoustic fabric are non-combustible.

Aluminium and steel suspended ceilings and cladding do not release hazardous substances.

Coil Coating process of pre-coated aluminium and steel using a continuous casting process performed with environmentally friendly substances free of Volatile Organic Compounds (VoC).

NO post-coating with powders NO dyeing.

Since they are already classified as non-combustible, they have no fire resistance class (REI).

LEED EPD DAP

All products are 100% recyclable and contribute to LEED certification scores with LEED product mapping EPD Environmental Product Declaration DAP Environmental Product Declaration.

The company is certified with an environmental management system UNI EN ISO 14001:2015.

LIGHTWEIGHT ANTI-DETACHMENT

The low specific weight of aluminium, 60% less than steel and copper, makes it the lightest cladding and ceiling system.

The low specific weight of aluminium makes the ceiling/cladding system light when fixed to the wall or suspended from the ceiling, avoiding the detachment caused by heavy ceiling systems such as plasterboard, extra-large steel panels, expanded metal, stainless steel.

The 1 to 4 weight ratio significantly reduces transport handling costs.

It reduces the cost impact of accessories for suspension mounting and wall cladding.

RESISTANCE DURABILITY PROTECTION AGAINST CORROSION AND EXTERNAL AGENTS

Thanks to the protective coating and the characteristics of aluminium, coatings and suspended ceilings have unlimited durability for indoor and outdoor use.

100% resistance to corrosion by external agents, salt, acid rain, pollution, fumes, acids, animal guano.

We have certified our products with excellent results in salt spray corrosion resistance tests according to UNI EN ISO 9227:2017 at an accredited institute.

Suspended ceilings and cladding are made of pre-coated aluminium and pre-coated galvanised steel adapted to the different durability exposure classes as per the UNI EN ISO 13964 standard on exposure classes: galvanised steel products Class B, pre-coated galvanised steel products Class C, aluminium products are Class D.

For applications in environments with particularly aggressive agents: swimming pools, sulphur baths, processing plants, the use of components made of pre-coated aluminium is recommended.

The term corrosion indicates a natural and irreversible process of slow and continuous breakdown of a material, resulting in the deterioration of its physical properties. Corrosion resistance is indicated as low - medium - high alongside the corrosivity class of the environment, in order to assess the performance of the coating in the environment of final destination and under operating conditions.

It is not a guarantee of durability, but an indication to schedule maintenance activities necessary to maintain the properties in relation to the life cycle for which it was designed.

ENVIRONMENTAL COMMITMENT

Linear stripes for ceilings and wall claddings façades. Open cell ceilings grid systems. Sun louvres solar screen linear panels 84R. Exposed T suspension grid for ceilings.

METALSCREEN with LCA Life Cycle Assessment

analysed the entire life cycle of the product, from the arrival of the goods at the factory, production, loading and shipping in Italy and worldwide.



THE INTERNATIONAL EPD® SYSTEM

METALSCREEN has certified with **EPD**: Environmental Product Declaration, 3 types of systems:

- Aluminium system products
- Aluminium and Steel System products
- Steel System products

LEED CERTIFICATE

LEED Projects Certification Score Acquisition

Prepainted aluminium and steel ceilings
Aluminium sunshades and external cladding



Management system certification
ISO 9001:2015 Quality
ISO 14001:2015 Environmental



**FOR A SUSTAINABLE GROWTH,
RESPECT THE ENVIRONMENT
AND HUMAN HEALTH: A CONSTANT
COMMITMENT FOR EVERYONE'S FUTURE**

METALSCREEN has been committed for years to **minimizing the environmental impact** of its production processes. We dedicate every effort to a **rational use of raw materials and energy**; in particular, we are involved in the development of new products and services that contribute to a cleaner and safer world. For some time we have been promoting the **development and sale of aluminum false ceilings** made with **new technologies, respectful of the environment and 100% recyclable**, dissuading the market from the use of fibrous and chalky false ceilings. Our production process has **eliminated any use of harmful raw materials and reduced energy consumption**. These milestones are integral elements of our effort not only to protect the environment but also to achieve operational excellence.

