



ANNIVERSARY
35
1987 - 2022

EXTERNAL FALSE CEILINGS CLADDINGS SUN LOUVRES

PRE PAINTED ALUMINIUM
INCOMBUSTIBLE EUROCLASS A1

Italian excellence for architectural solutions



EPD®
THE INTERNATIONAL EPD® SYSTEM



Certified Quality Management System
UNI EN ISO 9001:2015

Certified Environmental Management System
UNI EN ISO 14001:2015



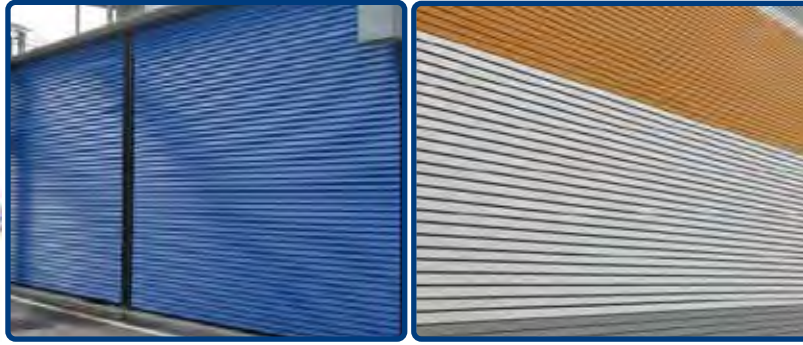
Products with Standards
European Certified
EN 13964:2014 - EN 14195:2005

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

100% MADE IN ITALY

S.251 (1/24)

RAL Chart



PRE PAINTED ALUMINIUM COIL COATING

Incombustible Euroclass A1
Washable
Lead-free chrome
Anti yellowing
100% humidity resistant
saltiness corrosion



NO powder coatings



WOOD LIKE wood effect



PRE PAINTED ALUMINIUM COIL COATING

Incombustible Euroclass A1
Washable
Lead-free chrome
Anti yellowing
100% humidity resistant
saltiness corrosion






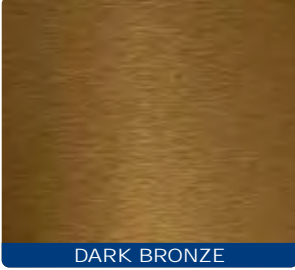






NO sublimation
NO powder coatings
NO digital imprinting
NO pvc coating



Kindly ask minimum required quantity before your quotation to your client. All colors and finishes depending on availability by model, type and thickness.

OXIDAL anodized effect brushed surface

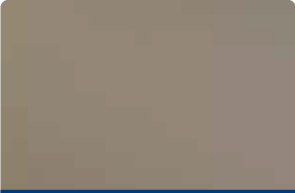



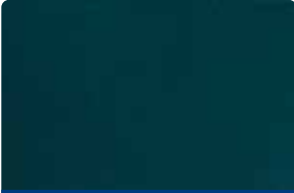
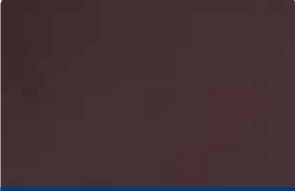




 NATURAL	 INOX GREY	 DARK GREY	
 BRONZE	 DARK BRONZE	 GOLD	
 COPPER	 DARK COPPER		

PRE PAINTED ALUMINIUM COIL COATING

- Incombustible Euroclass A1
- Washable
- Lead-free chrome
- Anti yellowing
- 100% humidity resistant
- saltiness corrosion

NO sublimation
NO powder coatings
NO digital imprinting
NO pvc coating

ULTRA MATT high matt metallic surface

 SAND DESERT	 MINK ROYALE	 GRAPHITE DIAMOND	 BLACK DREAM	 GREEN RACING
 COCOA UNIQUE	 RED BURGUNDY	 RED VELVET	 BLUE ULTRAMARINE	 BLUE HEALEY

ULTRA MATT METALLIC NO-GLARE WITH SOFT TOUCH COATING

Our new deep matt high durable coatings offer functionality and outstanding look with the new glamour range of colors. The velvety matt metallic appearance lends ultra matt products perfectly to modern architectural trends. The top quality surfaces offer excellent highest UV resistance. Designed for internal and external applications, the sophisticated glamour ceilings and wall claddings appearance makes them the newest excellent architectural solution for false ceilings wall claddings façades and sun louvres screen projects world wide.

Kindly ask minimum required quantity before your quotation to your client. All colors and finishes depending on availability by model, type and thickness.

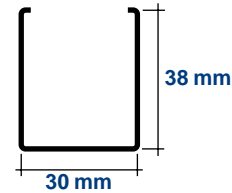
PRE PAINTED ALUMINIUM COIL COATING

- Incombustible Euroclass A1
- Washable
- Lead-free chrome
- Anti yellowing
- 100% humidity resistant
- saltiness corrosion

NO sublimation
NO powder coatings
NO digital imprinting
NO pvc coating

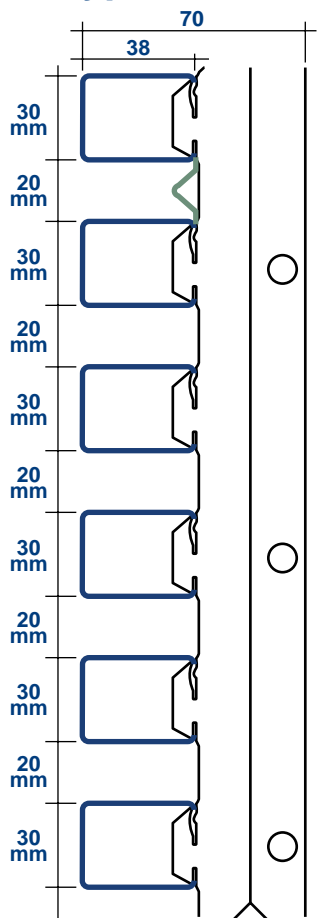
Type GR/50 GR/100

Technical specification

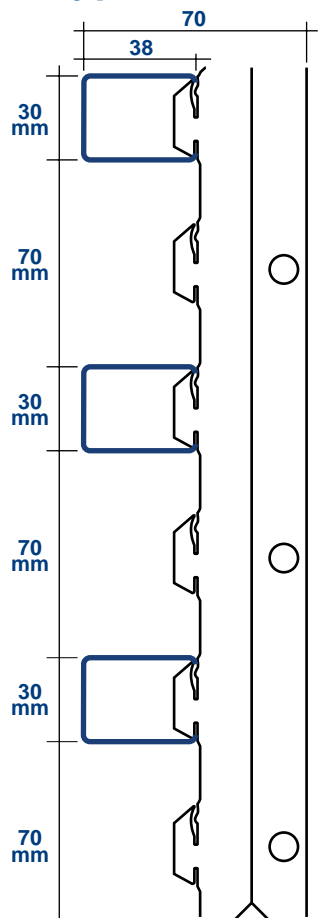


False suspended ceiling and wall cladding for external application **TYPE METALSCREEN GR/50** or **GR/100** realized with removable box shaped linear panels plain width mm.30 height mm.38 pitch mm.50 -100 with mm.20 open gap made of prepainted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (pitch, color and finishes follow the choice of the Consultant) NOT allowed sublimation process, pvc coated, powder coated paints, digital photo-imprinting. The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 43 STRONG U** section with longitudinal hard torsion-proof reinforce made of prepainted aluminium corrosion resistant thickness 10/10 color Black coated on both sides perpendicular suspended at maximum mm.700 (follow choice of the Consultant). The panels are connected head to head with **TYPE METALSCREEN SPLICE-30** concealed aluminium splice.

Type GR/50



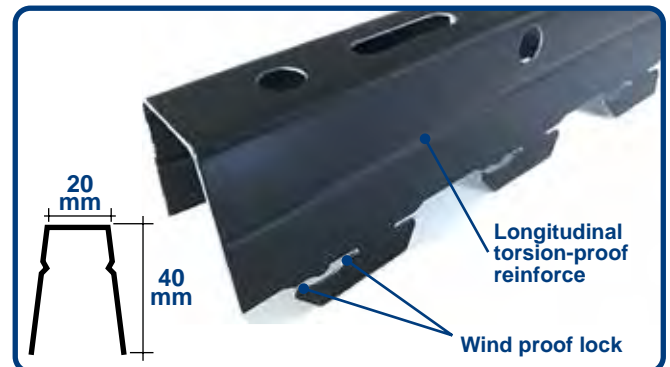
Type GR/100



Type 48 Internal flush seagull joint filler for closing gap
 pre painted aluminium color Black.
 Length mm.3000

Type 43 STRONG

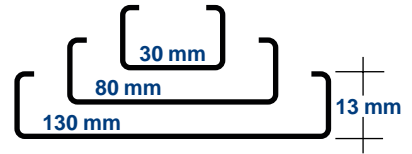
U section supporting carrier hard torsion-proof reinforce made of pre painted steel color Black coated on both sides thickness mm.0,6. For outdoor installations suggested pre painted aluminium thickness 10/10





Type LO/30B LO/80B LO/130B

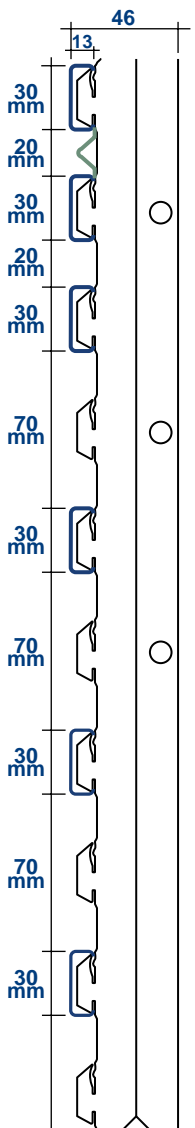
Technical specification



False suspended ceiling and wall cladding for external application **TYPE METALSCREEN LO/30B** or **LO/80B** or **LO/130B** or **LO/180B** realized with removable linear panels shaped edges, plain width mm.30-80-130-180 height mm.13 pitch mm.50 with mm.20 open gap made of prepainted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (pattern, color and finishes follow the choice of the Consultant) NOT allowed sublimation, pvc coated, powder coated paints, digital photo-imprinting. The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 43 STRONG** U section with longitudinal hard torsion-proof reinforce made of prepainted aluminium corrosion resistant thickness 10/10 color Black coated on both sides perpendicular suspended at maximum mm.700. The linear panels are connected head to head with **TYPE METALSCREEN SPLICE-30-80-130** concealed aluminium splice.

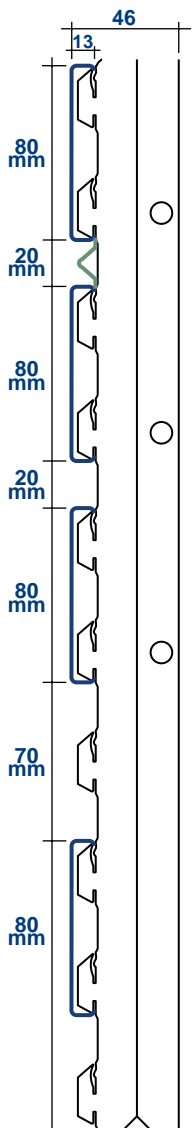
LO/30B

30 x h13



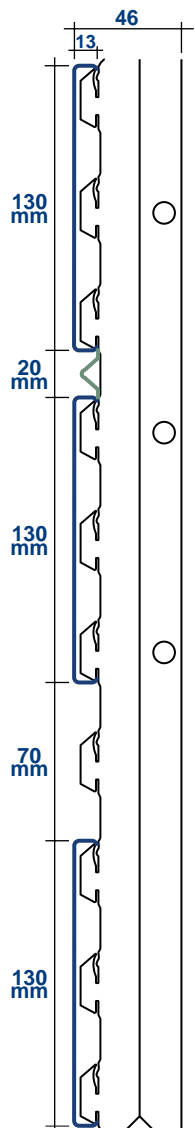
LO/80B

80 x h13



LO/130B

130 x h13



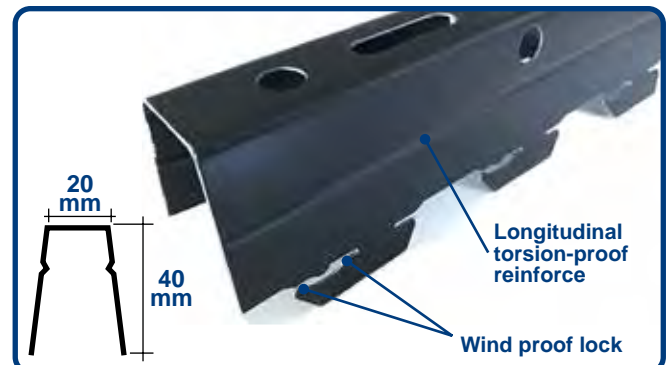
Open gap mm.20 - mm.70



Type 48 Internal flush seagull joint filler for closing gap pre painted aluminium color Black. Length mm.3000

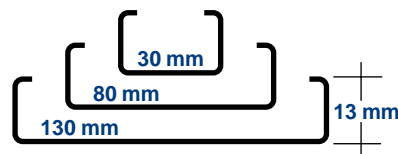
Type 43 STRONG

U section supporting carrier hard torsion-proof reinforce made of pre painted steel color Black coated on both sides thickness mm.0,6. For outdoor installations suggested pre painted aluminium thickness 10/10



Type MULTIPANEL

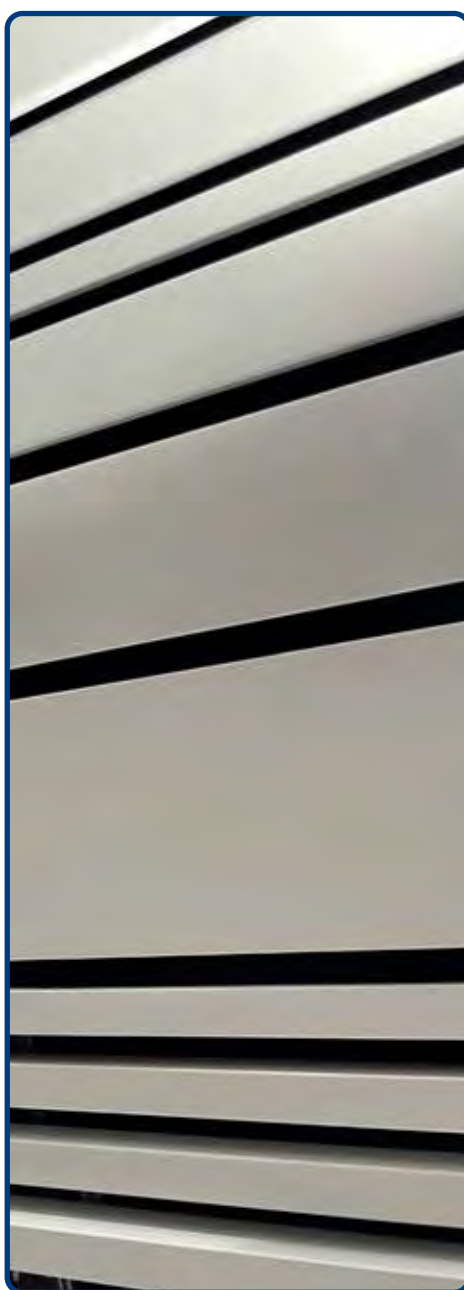
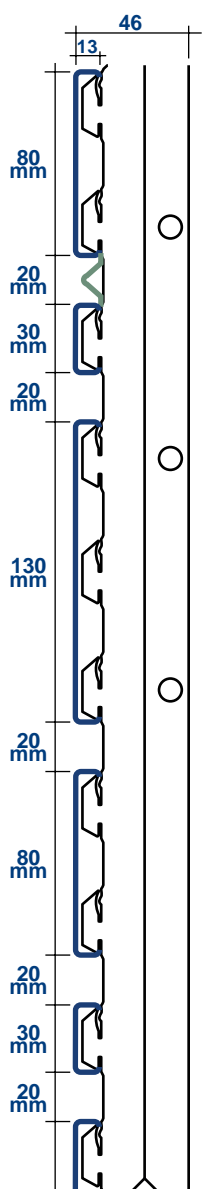
Technical specification



False suspended ceiling and wall cladding for external application **TYPE METALSCREEN MULTIPANEL** with removable linear panels clip-on on the same main runner with different module widths (following the installation guideline sequence of the consultant). Realized with linear panels plain shaped edges widths mm.30B-80B-130B-180B height mm.13 with mm.20 open gap made of prepainted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (widths, color and finishes follow the choice of the Consultant) NOT allowed sublimation process, pvc coated, powder coated paints, digital photo-imprinting. The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 43 STRONG** U section with longitudinal hard torsion-proof reinforce made of prepainted aluminium corrosion resistant thickness 10/10 color Black coated on both sides perpendicular suspended at maximum mm.700 (follow choice of the Consultant). The linear panels are connected head to head with **TYPE METALSCREEN SPLICE-30-80-130** concealed aluminium splice.

MULTIPANEL

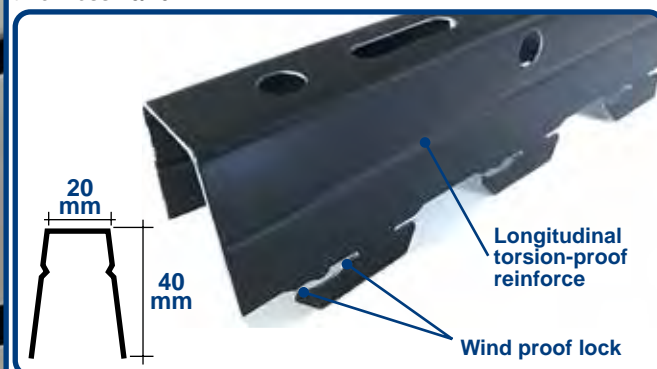
30-80-130 x h13

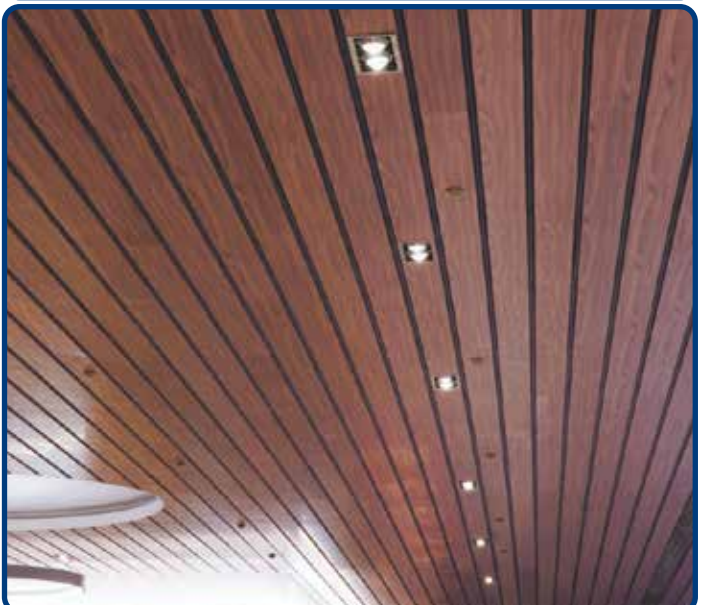
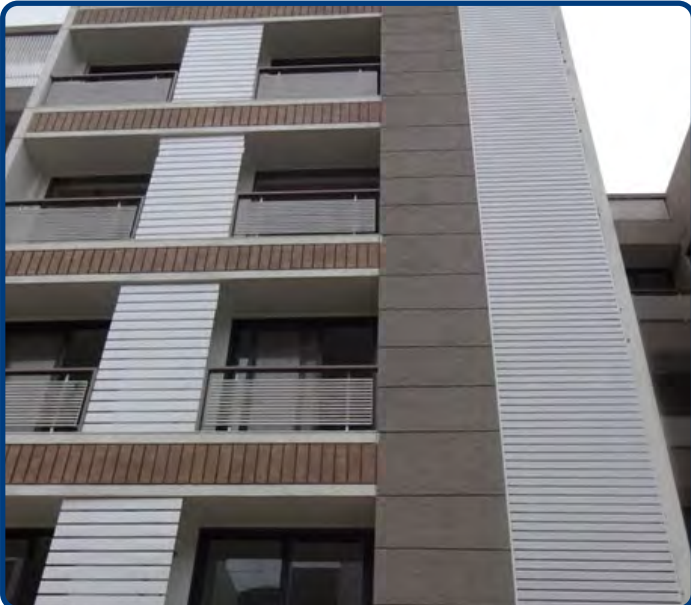


Type 48 Internal flush seagull joint filler for closing gap
 pre painted aluminium color Black.
 Length mm.3000

Type 43 STRONG

U section supporting carrier hard torsion-proof reinforce made of pre painted steel color Black coated on both sides thickness mm.0,6. For outdoor installations suggested pre painted aluminium thickness 10/10

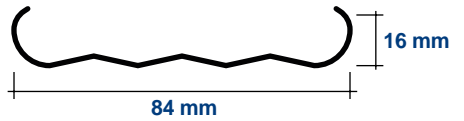




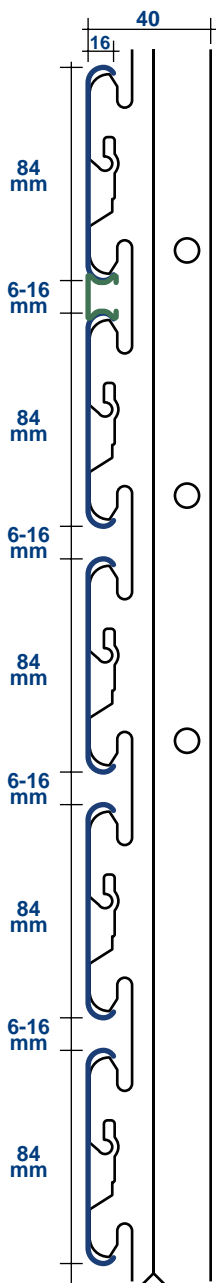
Type LC LS

Technical specification

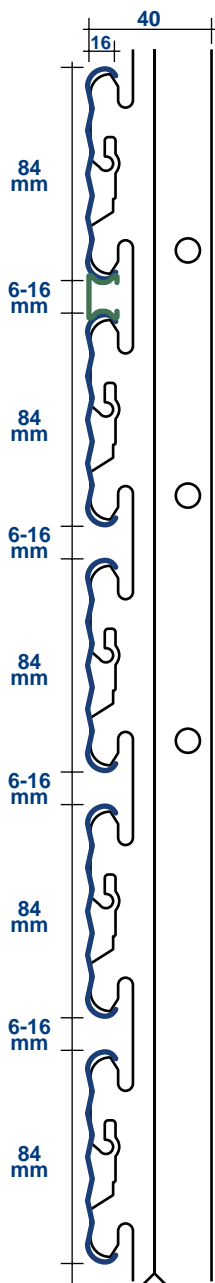
False suspended ceiling and wall cladding for external application **TYPE METALSCREEN LC/84R** plain or **TYPE METALSCREEN LS/84R** ribbed realized with removable linear panels plain rounded edges width mm.84 height mm.16 pitch mm.90-100 with mm.6-16 open gap. Made of pre-painted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (pattern, color and finishes follow the choice of the Consultant) NOT allowed sublimation process, pvc coated, powder coated paints, digital photo-imprinting. The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 63/100-90 STRONG** U section with longitudinal hard torsion-proof reinforce made of pre-painted aluminium corrosion resistant thickness mm.10/10 color Black coated on both sides perpendicular suspended at maximum mm.700 (follow choice of the Consultant). The linear panels are connected with simple overlap of the strip panel.



Type LC



Type LS

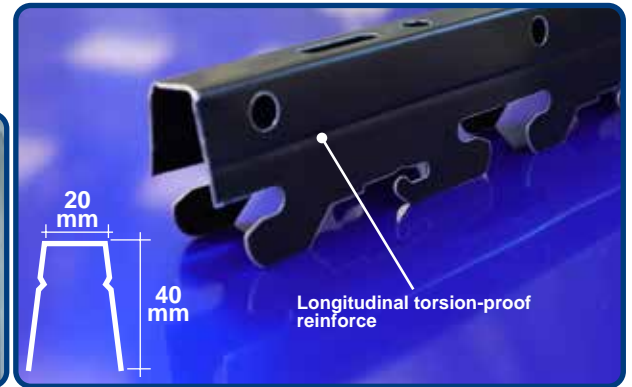


Type 46

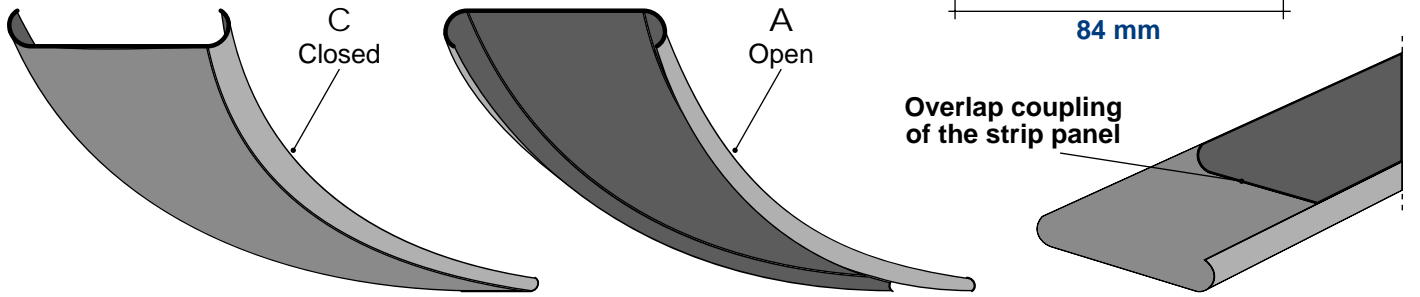
Flush joint filler profile for closing gap Type LC-LS pre painted aluminium color Black. Length mm.3000



Type 63/Z STRONG u supporting carrier hard torsion-proof reinforce made of pre painted steel color Black coated on both sides thickness mm.0,6. **For outdoor installations suggested pre painted aluminium thickness 10/10**

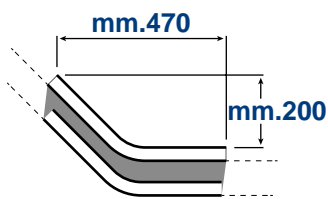


CURVE PANEL Type LC84R

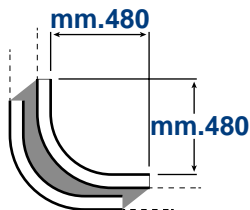


Perimetrical closure for wall claddings - Upstand trim

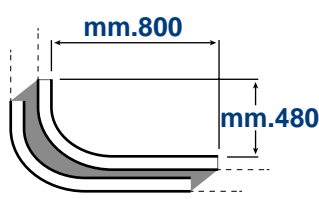
Curve 3A - 3C 90°



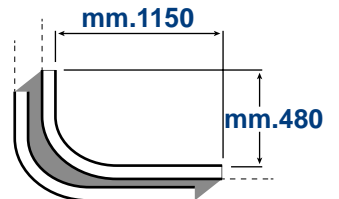
Curve 1A - 1C 90°



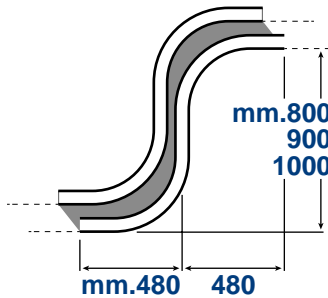
Curve 2A - 2C 90°



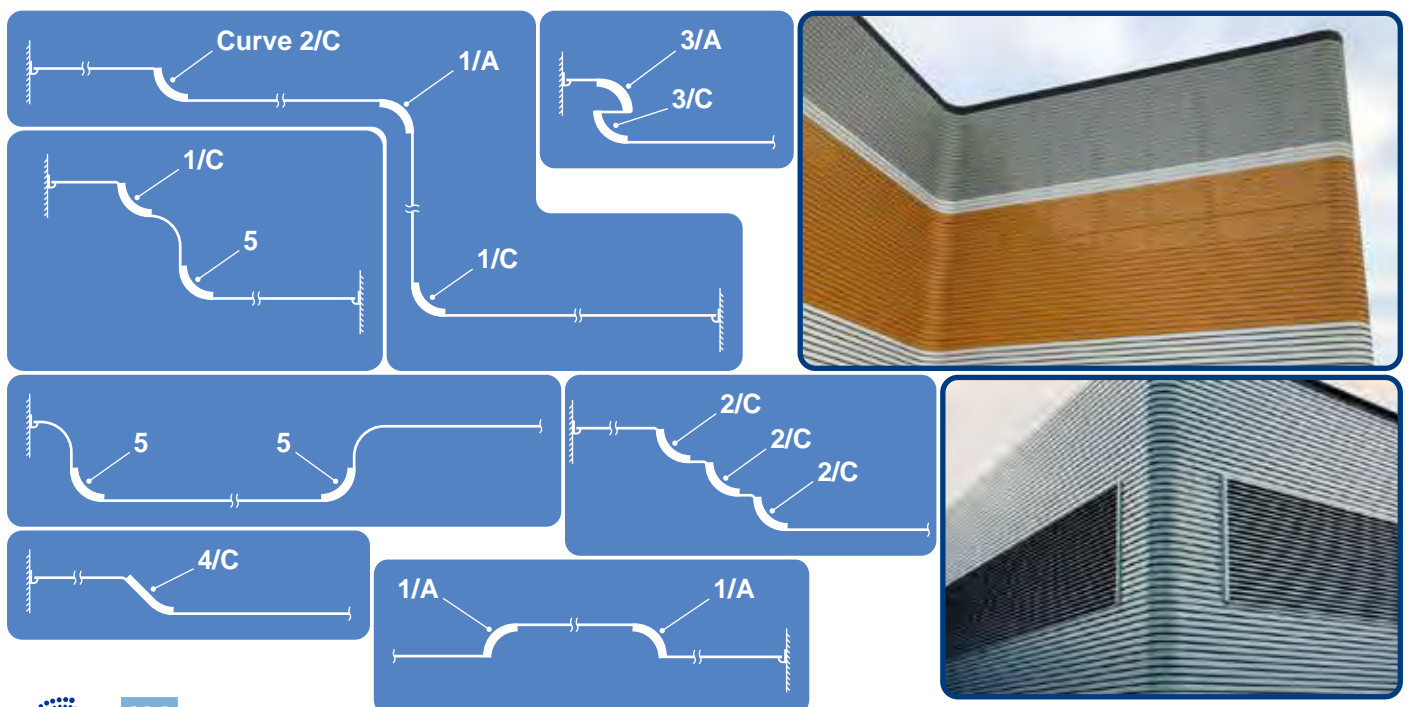
Curve 4A - 4C 90°



Curve 5 Esse 90°



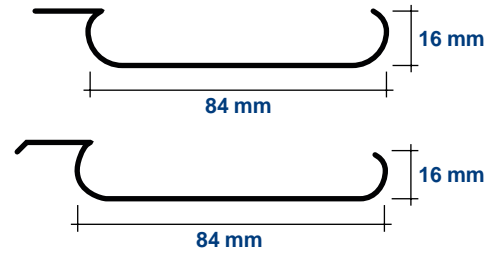
Example gallery of realization Type LC84R with curved panels



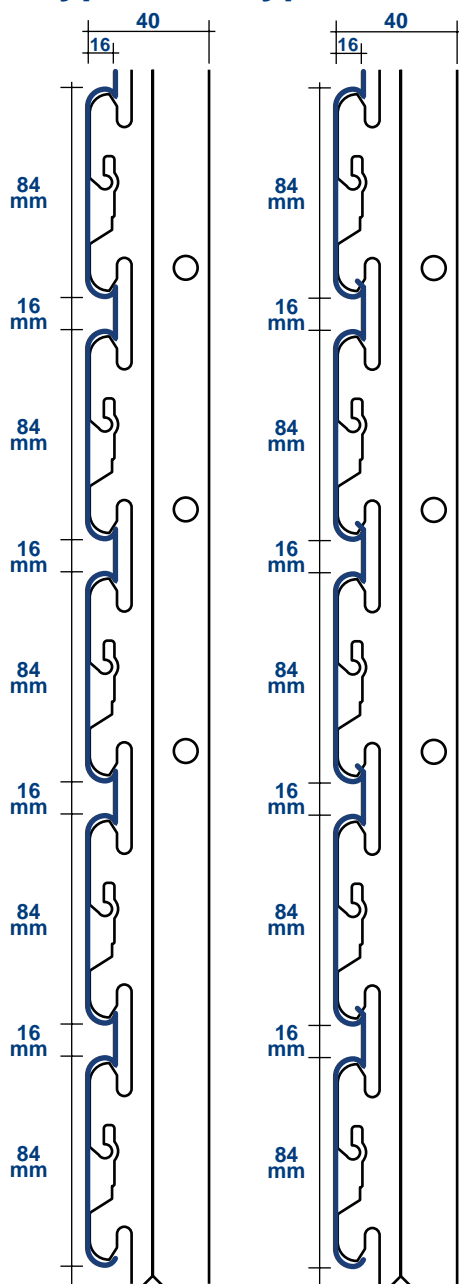
Type LT LT/100R

Technical specification

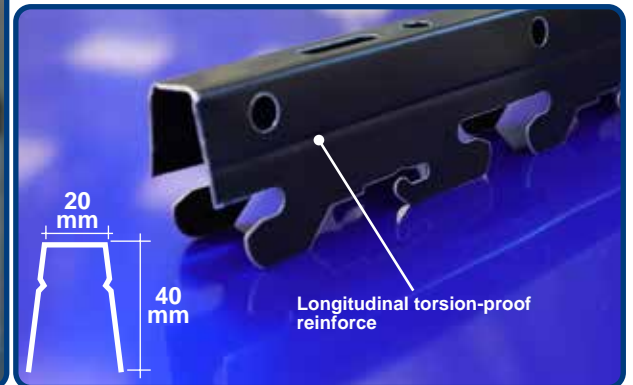
False suspended ceiling and wall cladding for external application **TYPE METALSCREEN LT/100** or **TYPE METALSCREEN LT/100-R** realized with removable linear panels plain rounded edges width mm.84 height mm.16 pitch mm.100 with mm.16 closed simple or rebated reinforced joint gap. Made of prepainted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (pattern, color and finishes follow the choice of the Consultant) NOT allowed sublimation process, pvc coated, powder coated paints, digital photo-imprinting. The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 63/Z STRONG** U section with longitudinal hard torsion-proof made of hot dipped galvanized steel reinforced thickness mm.0,7 perpendicular suspended at maximum mm.700 (follow choice of the Consultant). The linear panels are connected with simple overlap of the strip panel.



Type LT Type LT/100R

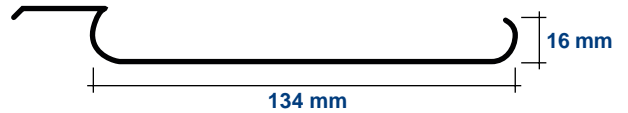


Tipo 63/Z STRONG U supporting carrier hard torsion-proof reinforce made of galvanized steel thickness mm.0,7. For outdoor installations suggested pre painted aluminium thickness 10/10 color Black coated on both sides



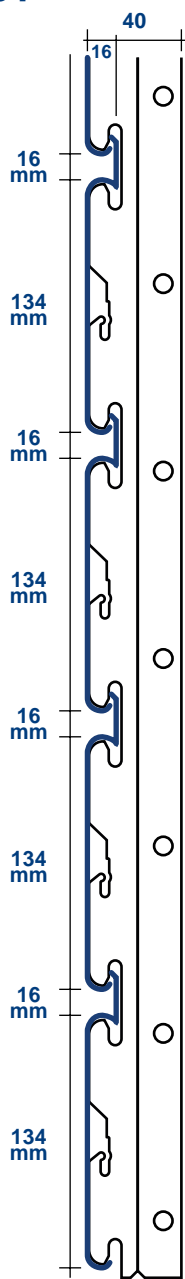
Type LT/150R

Technical specification



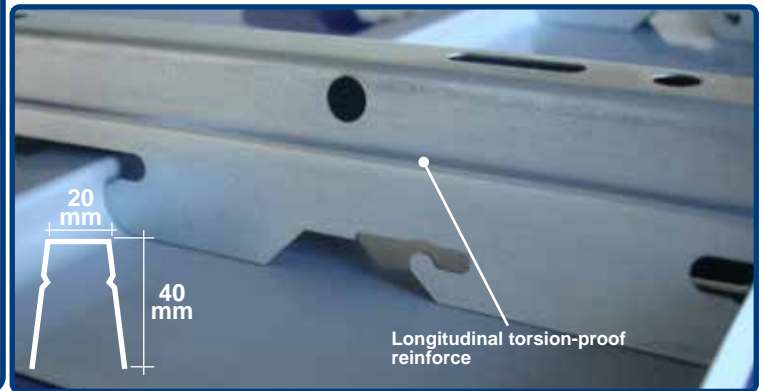
False suspended ceiling and wall cladding for external application **TYPE METALSCREEN LT/150-R** realized with removable reinforced linear panels plain rounded edges width mm.134 height mm.16 pitch mm.150 with mm.16 closed rebated reinforced joint gap. Made of prepainted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (color and finishes follow the choice of the Consultant) NOT allowed sublimation process, pvc covers, powder coated paints, digital photo-imprinting. The panels are suspended with a simple clip-on the main supporting carrier **TYPE METALSCREEN 63/150-LTZ STRONG** U section with longitudinal hard torsion-proof made of hot dipped galvanized steel reinforced thickness mm.0,7 perpendicular suspended at maximum mm.700 (follow choice of the Consultant). The linear panels are connected with simple overlap of the strip panel.

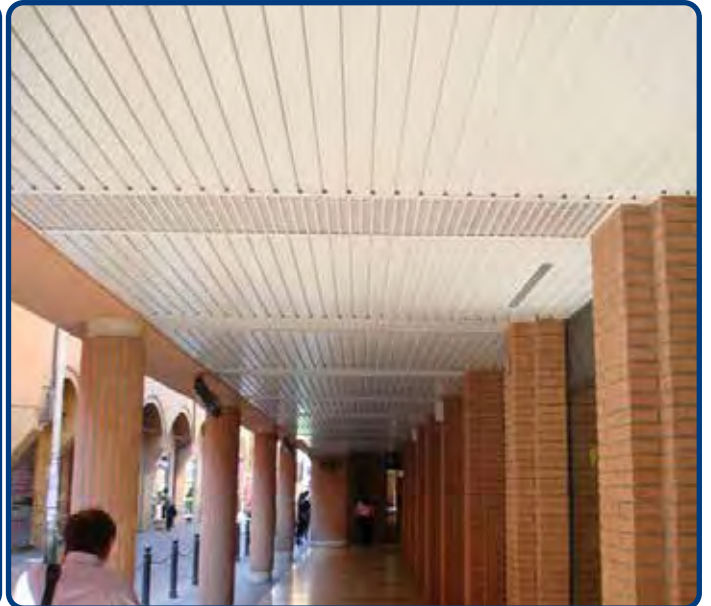
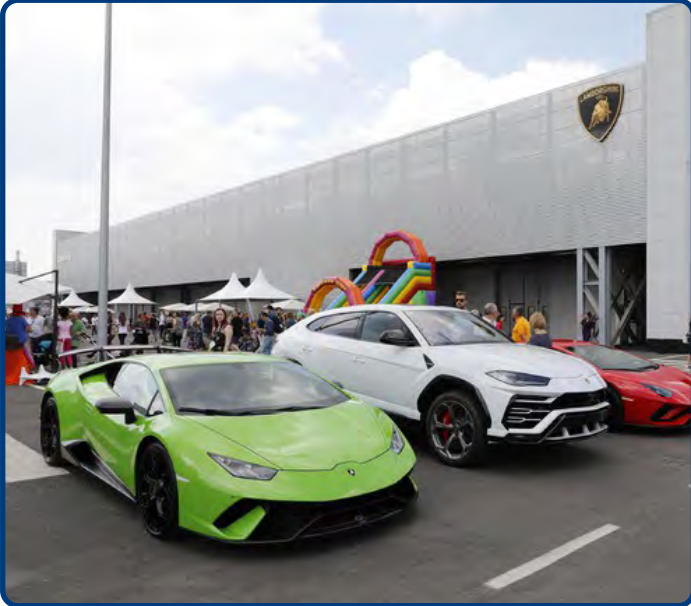
Type LT/150R



Type 63/150 LTZ-STRONG

U supporting carrier hard torsion-proof reinforce made of galvanized steel thickness mm.0,7. **For outdoor installations suggested pre painted aluminium thickness 10/10 color Black coated on both sides**

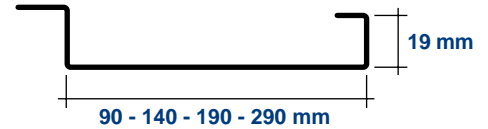




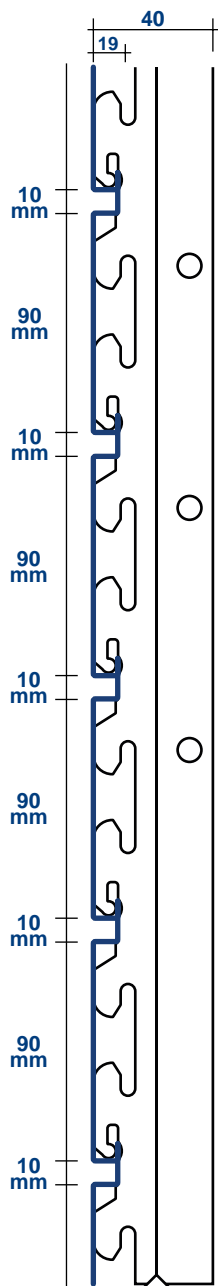
Type LA

Technical specification

False suspended ceiling and wall cladding for external application **TYPE METALSCREEN LA** 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 prepainted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (pitch, color and finishes follow the choice of the Consultant) NOT allowed sublimation process, pvc coated, powder coated paints, digital photo-imprinting. 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.700 (follow choice of the Consultant). The linear panels are connected head to head.

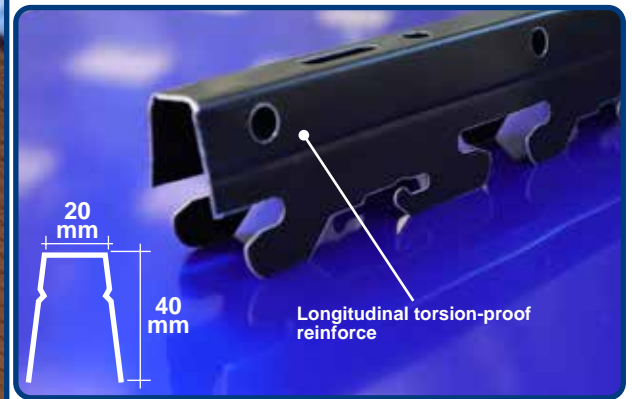


Type LA



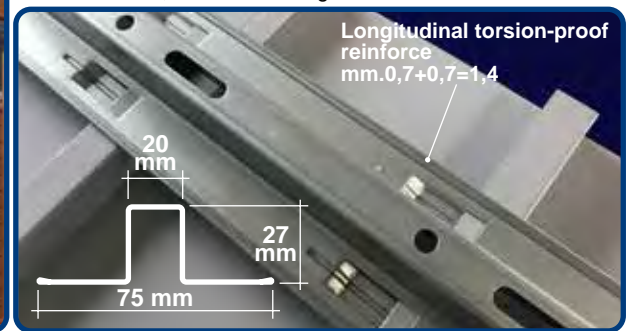
Type 63/Z STRONG

U supporting carrier hard torsion-proof reinforce made of galvanized steel thickness mm.0,7. For outdoor installations suggested pre painted aluminium thickness 10/10 color Black coated on both sides



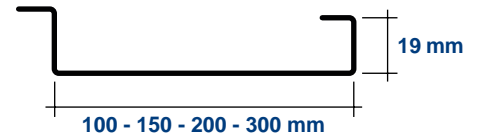
Type 44-01 Omega

Supporting carrier hard torsion-proof reinforce made of pre painted steel color Black coated on both sides thickness mm.0,6. Standard lenght mm.4000



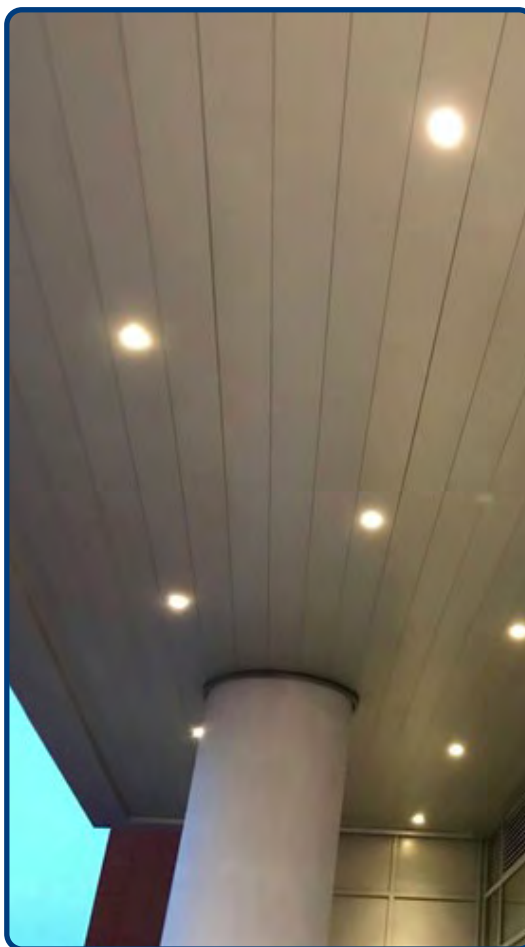
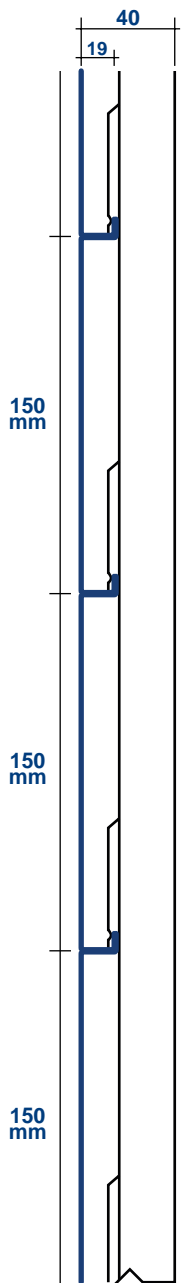
Type LA-RIV

Technical specification

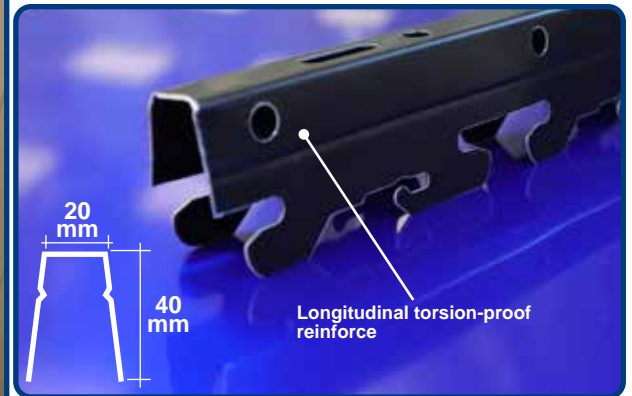


False suspended ceiling and wall cladding wind proof for external application **TYPE METALSCREEN LA-RIV** realized with linear panels plain shaped edges width mm.100-150-200-300 height mm.19 pitch mm.100-150-200-300 closed without joint gap. Made of prepainted aluminium Coil Coating alloy 3105-h44-48 thickness mm.0,6 Incombustible Euroclass A1 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface (pitch, color and finishes follow the choice of the Consultant) NOT allowed sublimation process, pvc covers, powder coated paints, digital false photo-imprinting. 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 METALSCREEN 44-01** made of hot dipped galvanized steel reinforced thickness mm.0,7 perpendicular suspended at maximum mm.700 (follow choice of the Consultant). The panels system has perimetrical edge angle profile **TYPE METALSCREEN RA L** section mm.24X24 prepainted aluminium same color and finish of the panels are fixed on the walls at the same level. The linear panels are connected head to head.

Type LA-RIV

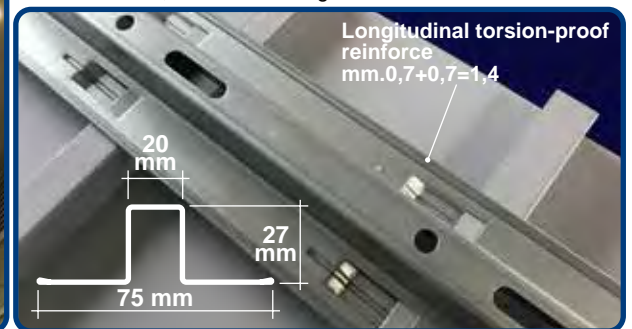


Type 63/Z STRONG U supporting carrier hard torsion-proof reinforce made of galvanized steel thickness mm.0,7. For outdoor installations suggested pre painted aluminium thickness 10/10 color Black coated on both sides



Type 44-01 Omega

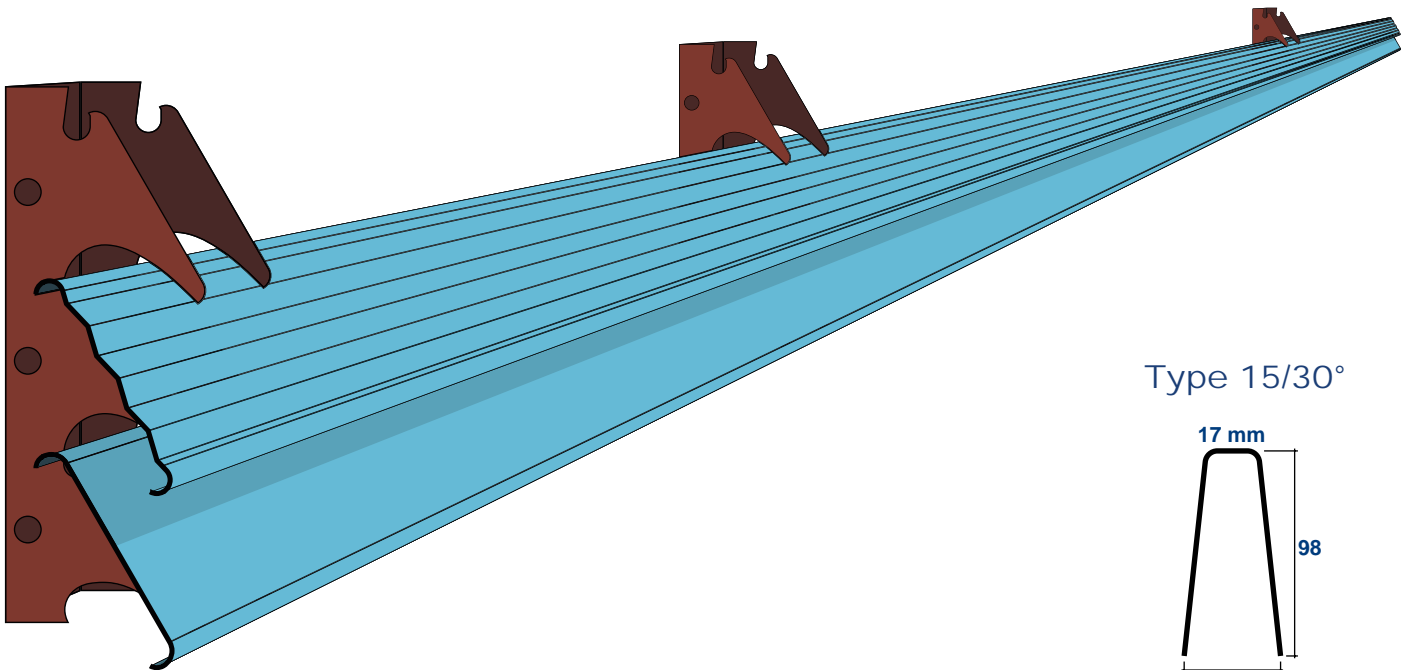
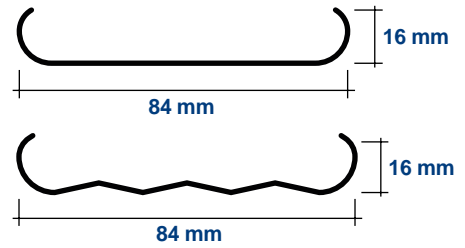
Supporting carrier hard torsion-proof reinforce made of pre painted steel color Black coated on both sides thickness mm.0,6. Standard lenght mm.4000



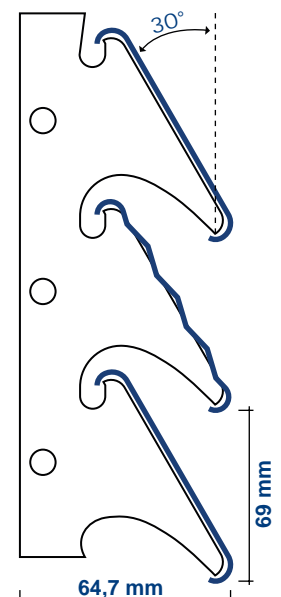
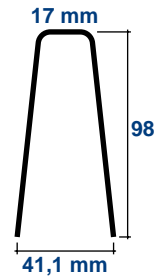
SUN LOUVRES 84R-30° vertical

Technical specification

Sun Louvres for external vertical screen claddings wind proof resistant **TYPE METALSCREEN LC/84R** - **TYPE METALSCREEN LS/84R** plain or reinforced ribbed surface, **TYPE METALSCREEN AEROSCREEN LC84R-LS84R** filtered light microperforated diagonal diameter circle holes mm.2 realized with linear panels fully removal rounded edges width mm.84 height mm.16. Made of pre painted aluminium Incombustible Euroclass A1 Coil Coating alloy 3105-h44-48 thickness 0,6 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface NOT allowed sublimation process, pvc covers, powder coated paints, digital photo-imprinting (color and finishes follow the choice of the Consultant). The panels installed with simple clip-on the main supporting carrier U section **TYPE METALSCREEN 15/30°** made of pre painted aluminium thickness 10/10 White. The main supporting carriers fixed perpendicularly the panels at mm.500 grant windproof certified resistant.



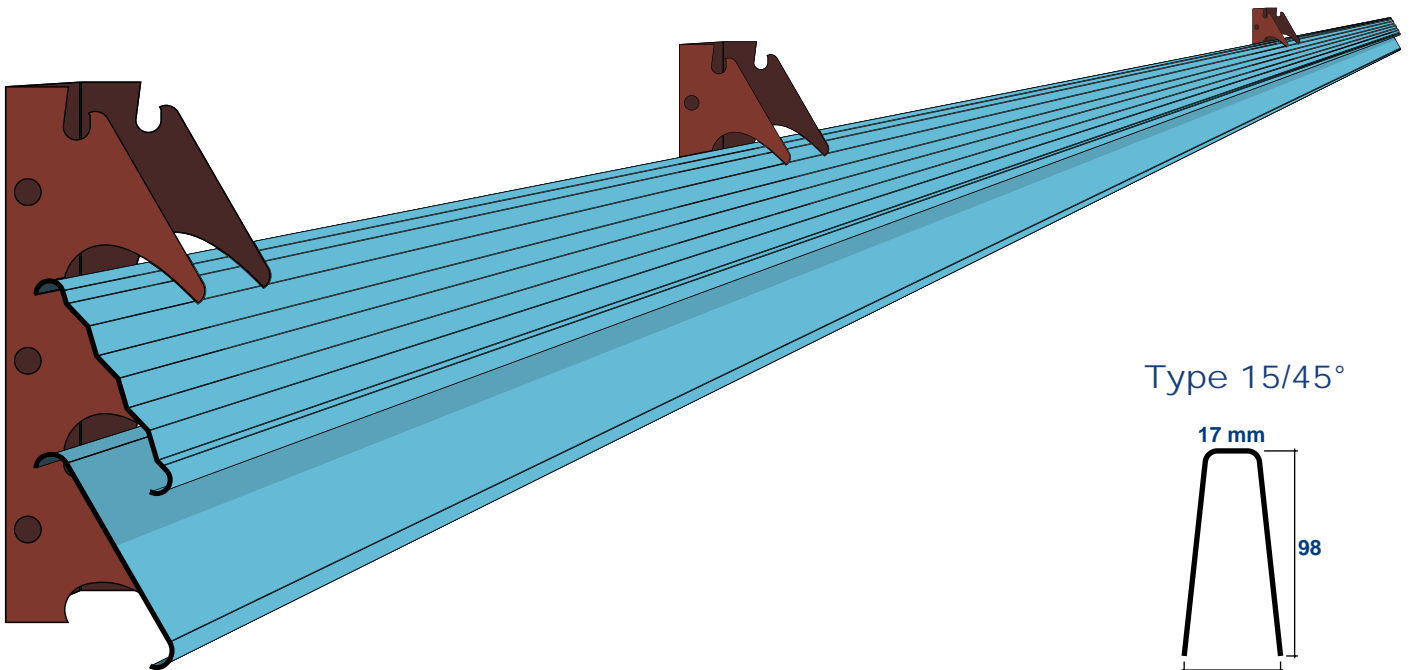
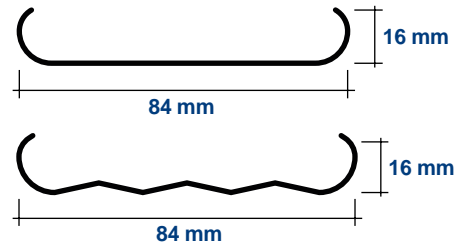
Type 15/30°



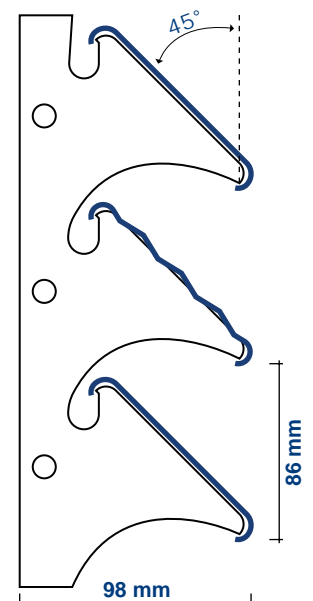
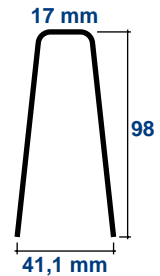
SUN LOUVRES 84R-45° vertical

Technical specification

Sun Louvres for external vertical screen claddings wind proof resistant **TYPE METALSCREEN LC/84R** - **TYPE METALSCREEN LS/84R** plain or reinforced ribbed surface, **TYPE METALSCREEN AEROSCREEN LC84R-LS84R** filtered light microperforated diagonal diameter circle holes mm.2 realized with linear panels fully removal rounded edges width mm.84 height mm.16. Made of pre painted aluminium Incombustible Euroclass A1 Coil Coating alloy 3105-h44-48 thickness 0,6 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface NOT allowed sublimation process, pvc covers, powder coated paints, digital photo-imprinting (color and finishes follow the choice of the Consultant). The panels installed with a simple clip-on the main supporting carrier U section **TYPE METALSCREEN 15/45°** made of pre painted aluminium thickness 10/10 White. The main supporting carriers fixed perpendicularly the panels at mm.500 grant windproof certified resistant.



Type 15/45°



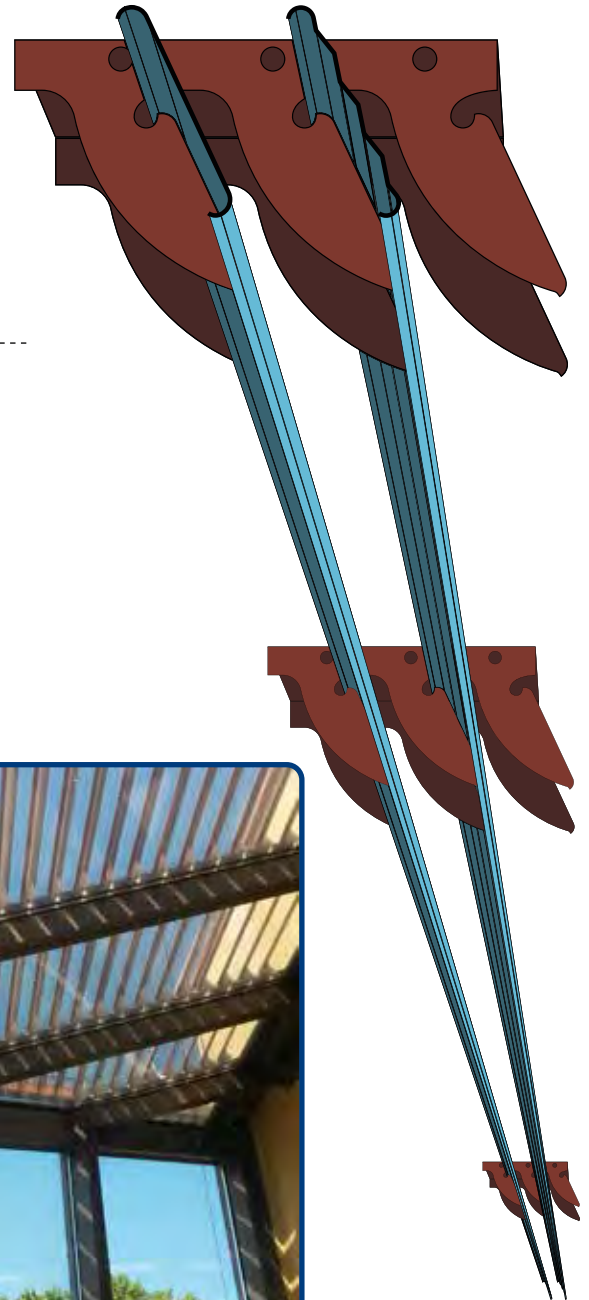
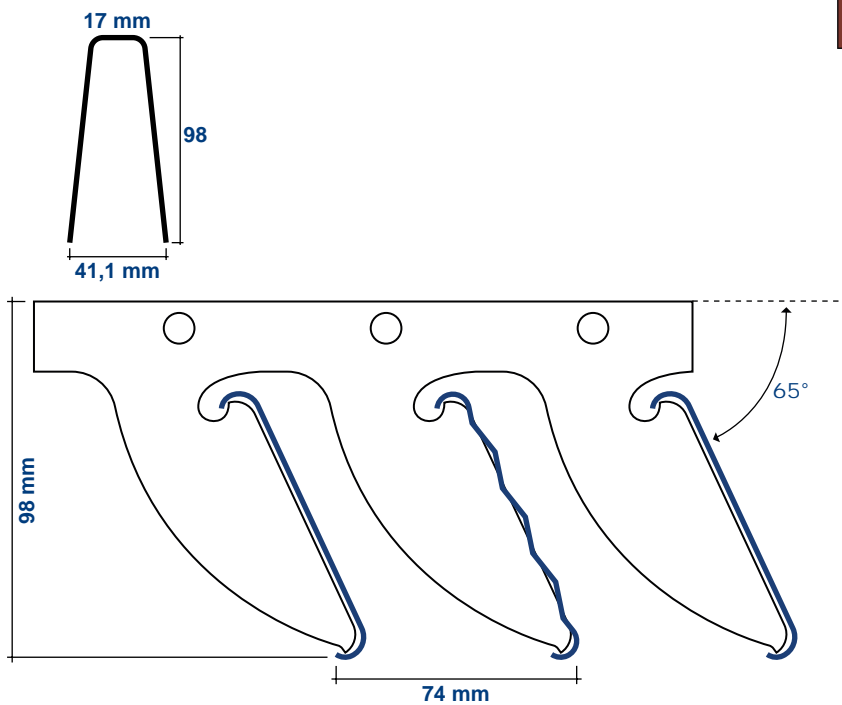
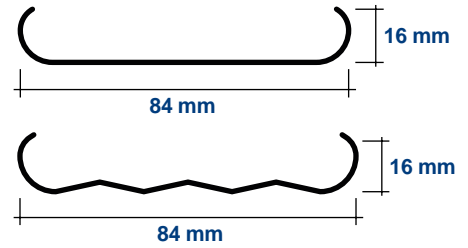
SUN LOUVRES 84R-65°/22° horizontal

Technical specification

Sun Louvres for external screen canopy wind proof resistant **TYPE METALSCREEN LC/84R - TYPE METALSCREEN LS/84R** plain or reinforced ribbed surface, **TYPE METALSCREEN AEROSCREEN LC84R-LS84R** filtered light microperforated diagonal diameter circle holes mm.2 realized with linear panels fully removal rounded edges width mm.84 height mm.16. Made of pre painted aluminium Incombustible Euroclass A1 Coil Coating alloy 3105-h44-48

thickness 0,6 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface NOT allowed sublimation process, pvc covers, powder coated paints, digital photo-imprinting (color and finishes follow the choice of the Consultant). The panels installed with a simple clip-on the main supporting carrier U section **TYPE METALSCREEN 15/65°-22°** made of pre painted aluminium thickness 10/10 White. The main supporting carriers fixed perpendicularly the panels at mm.500 grant windproof certified resistance.

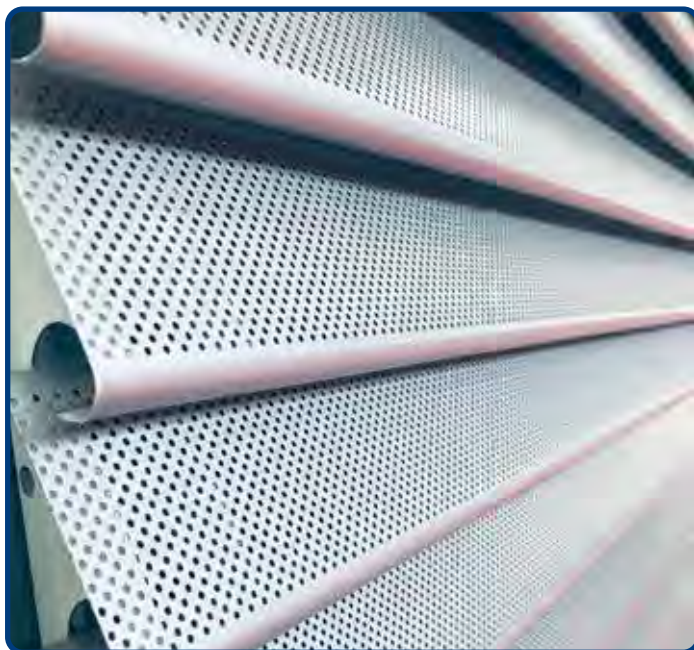
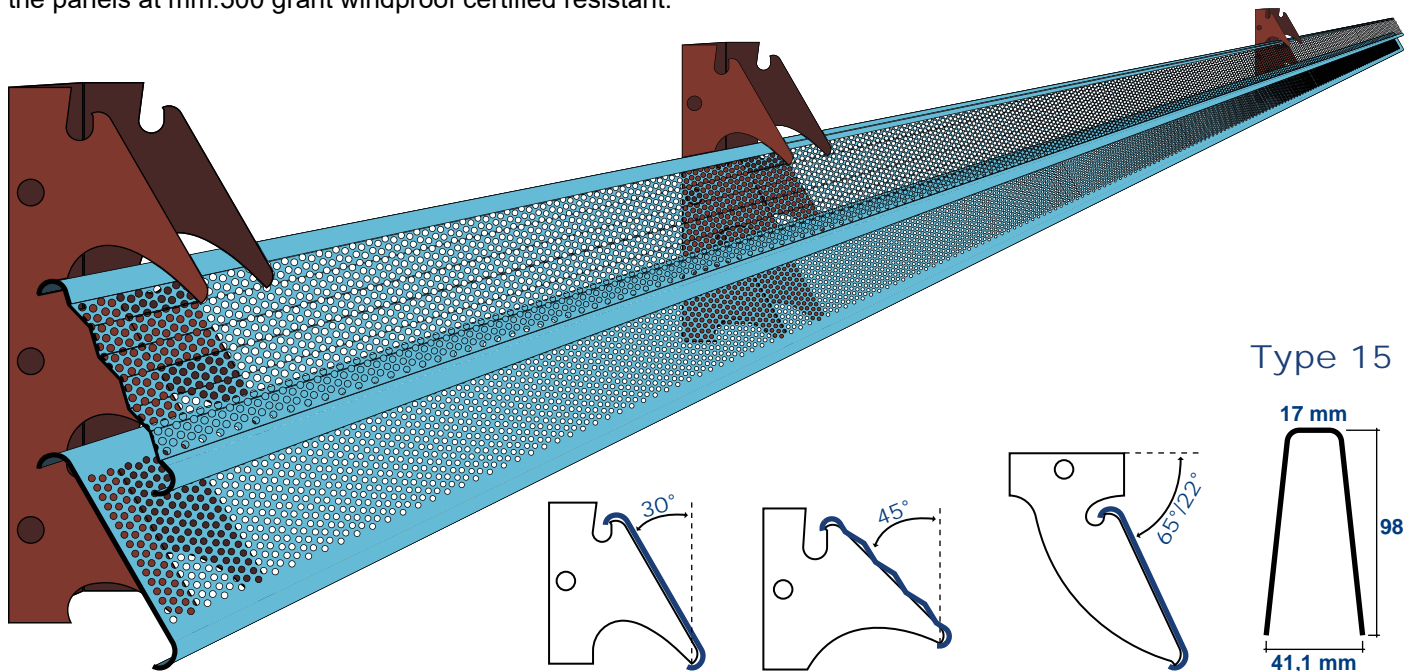
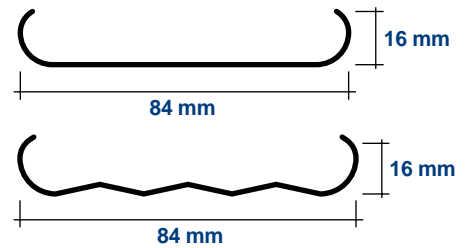
Type 15/65°-22°



AEROSCREEN 84R-30°- 45°- 65°/22°

Technical specification

Sun Louvres for external vertical screen claddings wind proof resistant plain or reinforced ribbed surface, **TYPE METALSCREEN AEROSCREEN LC84R-LS84R** filtered light microperforated diagonal diameter circle holes mm.2 realized with linear panels fully removal rounded edges width mm.84 height mm.16. Made of pre painted aluminium Incombustible Euroclass A1 Coil Coating alloy 3105-h44-48 thickness 0,6 color and finishes from **RAL** colors chart, **WOOD LIKE** same wood, **OXIDAL** same brushed anodized, **ULTRA MATT** high matt surface NOT allowed sublimation process, pvc covers, powder coated paints, digital photo-imprinting (color and finishes follow the choice of the Consultant). The panels installed with a simple clip-on the main supporting carrier U section **TYPE METALSCREEN 15/30°- 15/45°- 15/65°/22°** made of pre painted aluminium thickness 10/10 White. The main supporting carriers fixed perpendicularly the panels at mm.500 grant windproof certified resistant.





METALSCREEN RANGE OF PRODUCTS

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



LINEAR STRIPES FOR CEILINGS AND WALL CLADDINGS INTERNAL AND EXTERNAL APPLICATIONS
Rounded and shaped edges, open gap closed joint, windproof without joint. Pre painted aluminium and steel Incombustible Euroclass A1



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



PANELS
False ceiling panels mm.600x600 concealed systems CLIP-IN and LAY-IN LAY-ON T 24-15 exposed suspension grid system. Pre painted aluminium and steel Incombustible Euroclass A1



EXPOSED T SUSPENSION GRID FOR LAY-IN CEILINGS
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 CEILINGS 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

APPLICATION AREAS FOR FALSE CEILING AND INTERIOR/EXTERIOR CLADDINGS

RETAIL - BANKS - OFFICES - LOUNGES - CORRIDORS - AUDITORIUMS - CONFERENCE ROOMS - SHOWROOMS - CAR SHOWROOMS - SHOPPING CENTRES - CLASSROOMS - HOTELS - SPAS - CAR PARKS - AIRPORTS - SUBWAYS - RAILWAY STATIONS - RETAIL OUTLETS - SHOPS - WALKWAYS - MEETING ROOMS - RESTAURANTS - KITCHENS - CANTEENS - GYMS - SWIMMING POOLS - HOSPITALS - OUTPATIENT FACILITIES - FOOD PROCESSING - SHELTERS - CANOPIES - PORCHES - SUBWAYS - BUILDING FAÇADES - OFFICES AND WAREHOUSES - STAIRWELLS - SILOS - SUNSCREENS - SUN PROTECTION FOR WINDOWS - BALCONIES - PERGOLAS - TERRACES - VERANDAS.

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 Classe 1
PAINT DURABILITY	Class C
GALVANIZED DURABILITY	Class B
EMISSION OF HAZARDOUS SUBSTANCES	none
FIRE RESISTANCE	Perforated stripes with acoustic TNT Class A2s1d0
	Gratings, smooth, perforated planks, perforated panels with TNT Class A1
CORROSION RESISTANCE	Galvanised steel products Class C2
	Pre-coated galvanised steel products Class C3
	Pre-coated aluminium products Class C5

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.

WIND AND IMPACT RESISTANCE

The slat systems are certified wind load and impact resistant according to ETAG guide 034-1:2012 and standard UNI EN 19322013 with test parameters and results according to UNI EN 136592015° with tests carried out at accredited laboratories. When calculating the mechanical strength of metal membranes, the vertical downward dead load is considered. Possible upward thrusts that may exceed the ceiling system's own weight must in any case be assessed during the design phase where there are critical upward thrusts possible in doorways and/or windows, rooms/bathrooms without air recirculation, corners, large permanent openings such as auto-silos.

In such cases, it is necessary to dimension the ceiling system appropriately to resist any wind suction and/or pressure.

The performance properties declared in the relevant P.O.D. Performance Declarations are assured on condition that the ceiling is installed in the environmental and functional conditions for which it was designed, subject to normal recommended maintenance and not subject to external variables such as tampering, cuts, abrasions, damage in general etc. that may alter the performance characteristics and/or interrupt the coating film. Please evaluate the specific environmental and critical conditions where the product will be installed for appropriate selection of the most suitable materials for the appropriate area of use.

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.

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.

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.

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.

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.

AESTHETICS AND PRODUCT QUALITY

Thanks to its highly ductile alloy, aluminium can be transformed during production into a multitude of suspended ceiling and cladding element solutions to meet the needs of designers.

It is more easily worked on by the installer during installation with perfect execution and saving time and costs. A further value conferred by the aluminium product at the end of its life being a 100% recyclable alloy they are continually demanded and withdrawn from rolling mills and paid for by weight. Even after 100 years, an aluminium product still has value.

ALL RAL COLOURS - WOOD LIKE OXIDAL WOOD EFFECT ANODISED EFFECT - ULTRA MATT ANTI-GLARE COATING

Continuous pre-painting. Coil Coating process with greater reliability in colour continuity than post-painted materials NO powder coatings. In addition to standard colours, all colours of the RAL colour chart with matt and glossy lacquered finishes can be obtained. High-quality aesthetic finishes WOOD LIKE wood effect, OXIDAL brushed anodised effect, ULTRA MATT super matt anti-glare coating NO dye sublimation NO powder coating NO pvc adhesives NO photo-imprinting. Guaranteed durability, does not change colour and does not yellow like post-coated steel. 100% Moisture and salt corrosion resistance, UV rays.

CHROMATIC TOLERANCES

We operate a quality control system in compliance with the requirements and tolerances of the relevant technical standards. The pre-coated product offers greater reliability in colour uniformity and recovery than post-coated products on supplies made in different production periods or made or using different raw materials combined with each other, slight variations in colour tones from different batches are possible, but always more acceptable than colour variations and the impossibility of combining post-coated products with powders in the same batch of material.

HEAT-INSULATING SOUNDPROOFING

Aluminium in suspended ceilings and claddings can be easily shaped with irregular, interrupted, perforated surfaces and coupled with other insulation materials to achieve excellent sound absorption and heat insulation results. Our products are manufactured using continuous punching and stamping processes with modern CNC automated robotic lines. NO manual die-casting.

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.



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



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.

