



IOROI®

Supreme Quality Aluminium



ELEGANT
FUNCTIONAL
RECYCLABLE
RESISTANT
AESTHETIC
RECYCLABLE
GUARANTEED
MALLEABLE
AESTHETIC
LONG-LASTING
LIGHT
FUNCTIONAL
RESISTANT
LONG-LASTING
CREATIVE

WHY **IOROI**

FUNCTIONAL
LONG-LASTING
CREATIVE
RECYCLABLE
CREATIVE
LIGHT
AESTHETIC
ECO-FRIENDLY
GUARANTEED
RESISTANT
LIGHT
ECO-FRIENDLY
GUARANTEED
ELEGANT
MALLEABLE
ECO-FRIENDLY



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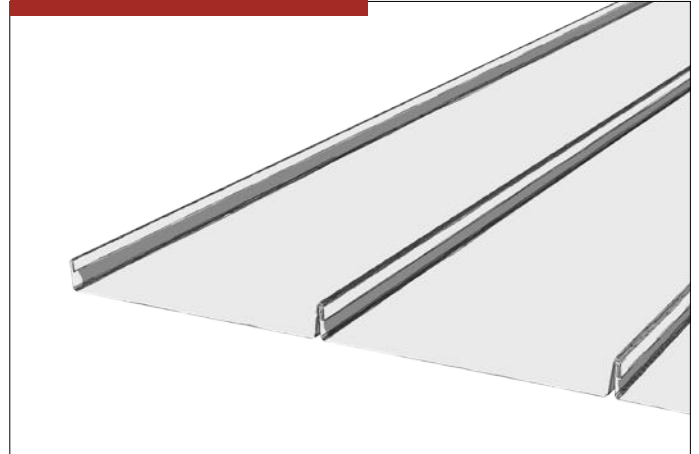
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STANDING SEAM

The IOROI aluminium is the ideal product for the creation of the most modern roofing and façade systems. Thanks to the great malleability and resistance of its alloy the IOROI aluminium is the perfect material for the development and production of all the standing seam systems, both for complex double lock standing seam roofing and for elegant single lock standing seam façades.



TECHNICAL DATA

Weight	22 N/m ²
Centre-to-centre distance	580 mm for coils of 650 mm width. 430 mm for coils of 500 mm width
Thickness	0,7 mm
Minimal pitch	7° (12%) possible lower pitch if a waterproofing membrane is used
Fixing	Indirect through stainless steel fixed or sliding clips
Size	Coils width 500-650-1000-1300 mm

COLORS

 White 9010	 Anthracite 7016	 Tile 8004
 Silver 9006	 Dark brown	 Green 6021
 Grey 7037	 Red 3009	

SPECIFICATIONS

Supply and laying of a roofing and façade system in single or double lock standing seam in IOROI aluminium thickness 0.7 mm. The panels are fixed through hidden stainless steel fixing clips on a wooden support. In case of minimal pitch of 7° the panels' width is 650 mm and the centre-to-centre distance is 580 mm; in façade the panels' width is 500 mm and the centre-to-centre distance 430 mm and panels can be installed both vertically and horizontally. Flashing accessories and special elements are not included.



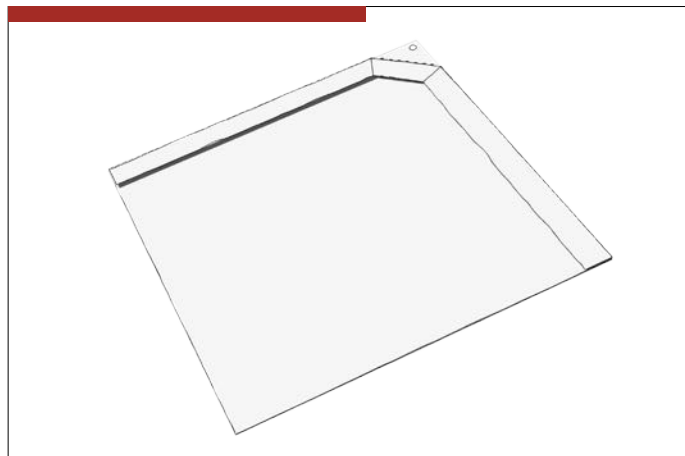


DIAMOND SHINGLES



The diamond shingles are perfect for roofing renovation that combines architectural tradition and the properties of resistance and lightness of IOROI aluminium. New buildings, even the most complex geometrical shapes, can be improved through this system of ventilated façade with diamond shingles.

Patented Product



TECHNICAL DATA

Format	410 x 410 mm
Weight	31 N/m ²
Nr of elements	6,6 pz/m ²
Thickness	0,7 mm
Minimal pitch	12° (21%)
Fixing	Direct 1 clip/piece
Packaging	25 pieces
Application	Roofing and façade

COLORS

White 9010	Anthracite 7016	Tile 8004
Silver 9006	Dark brown	Green 6021
Grey 7037	Red 3009	

SPECIFICATIONS

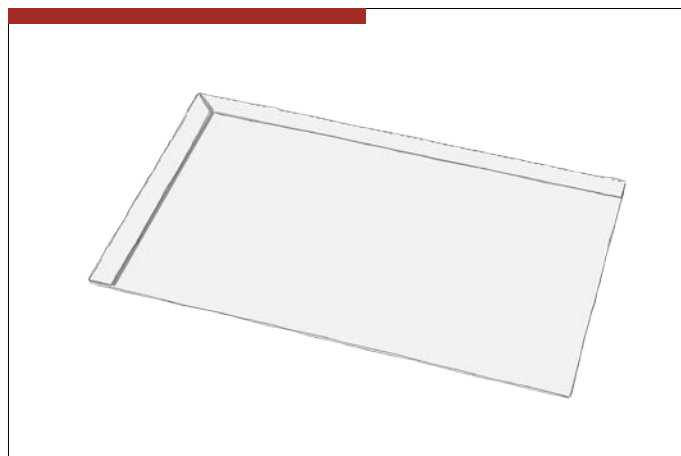
Supply and laying of a roofing and façade system in diamond shingles in IOROI aluminium thickness 0.7 mm. The diamond shingles are fixed through hidden stainless steel screws on a wooden support. The diamond shingles 410x410 mm are installed on a minimal pitch of 12°, in a number of 6.6/m². Flashing accessories and special elements are not included.





RECTANGULAR SHINGLES









Thanks to the various possibilities of combination of the rectangular shingles, you can customize the aspect of the building envelope playing with the different formats and with the great creativity of this system. Through the different formats you can create traditional roofing or even cover huge surfaces.



TECHNICAL DATA

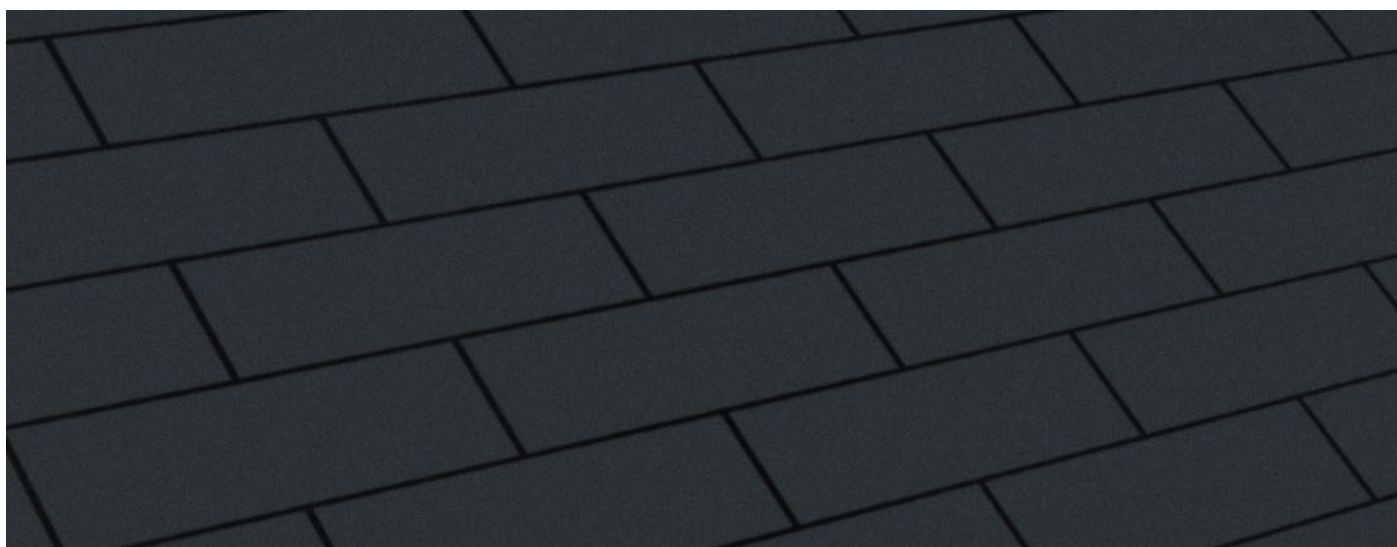
Format	Standard 330 x 550 mm
Weight	25 N/m ²
Nr of elements	5,5 pz/m ²
Thickness	0,7 mm
Minimal pitch	25° (47%)
Fixing	Indirect with fixing clips (2 or 3 clips/piece)
Packaging	25 pieces
Application	Roofing and façade

COLORS

 White 9010	 Anthracite 7016	 Tile 8004
 Silver 9006	 Dark brown	 Green 6021
 Grey 7037	 Red 3009	

SPECIFICATIONS

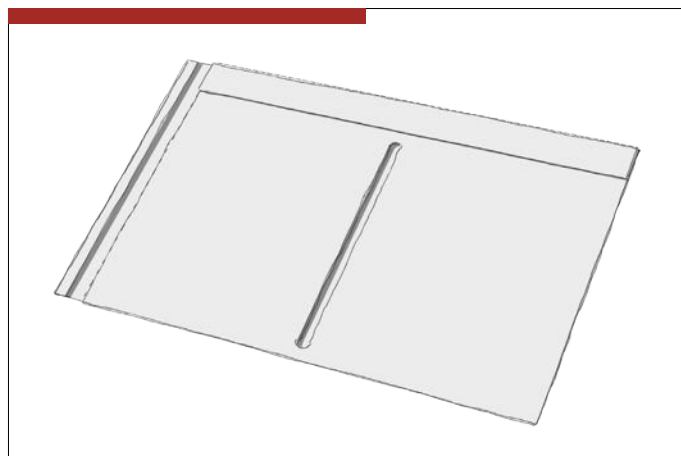
Supply and laying of a roofing and façade system in rectangular shingles in IOROI aluminium thickness 0.7 mm. The rectangular shingles are fixed indirectly through hidden stainless steel fixing clips on a wooden support. The rectangular shingles 330x550 mm are installed on a minimal pitch of 25°, in a number of 5.5/m², also misaligned. Flashing accessories and special elements are not included.





TILES









These tiles are studied as a roofing cladding that combines both traditional architecture and the performances of aluminium. Thanks to their very low weight and to the particular hidden fixing system, tiles can be used both in renovation and in new buildings, reaching elegant solutions that do not need maintenance.



TECHNICAL DATA

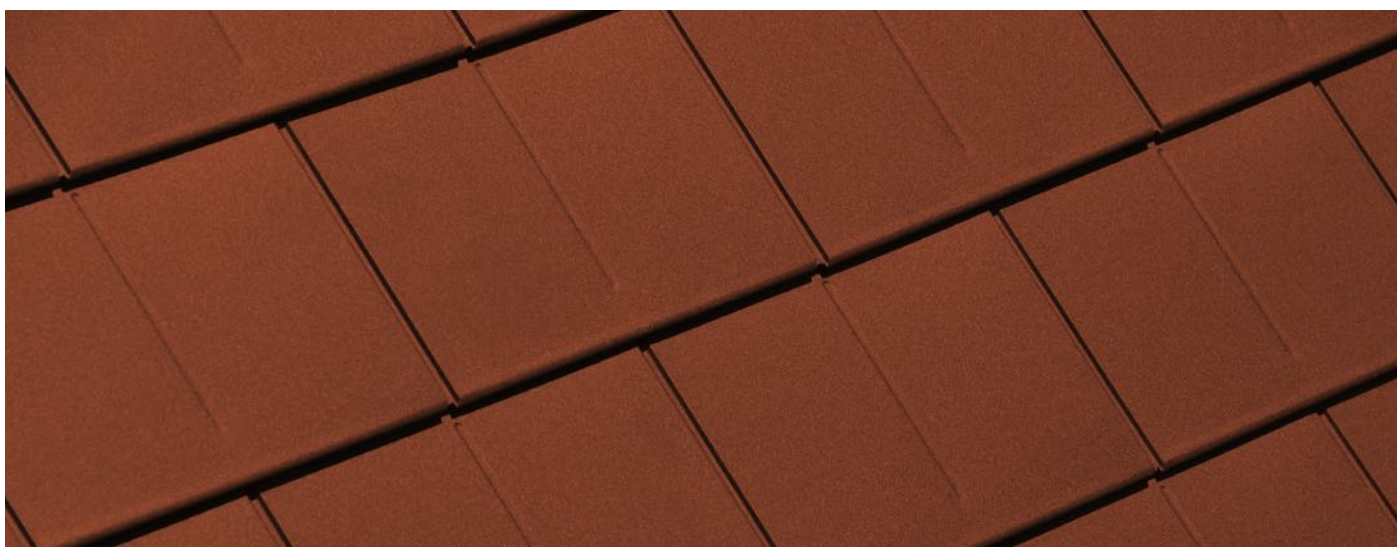
Format	375 x 245 mm
Weight	25 N/m ²
Nr of elements	11/m ²
Thickness	0,7 mm
Minimal pitch	25° (47%)
Fixing	Direct 1 fixing clip/piece
Packaging	25 pieces
Application	Roofing

COLORS

 White 9010	 Anthracite 7016	 Tile 8004
 Silver 9006	 Dark brown	 Green 6021
 Grey 7037	 Red 3009	

SPECIFICATIONS

Supply and laying of a roofing cladding in tiles in IOROI aluminium thickness 0.7 mm. The tiles are fixed directly through hidden stainless steel screws on a wooden support. The tiles are 375x245 mm and are installed on a minimal pitch of 25°, in a number of 11/m². Flashing accessories and special elements are not included.





INTERLOCKING PANELS









Interlocking panels for façades are one of the best solutions for elegant and well designed projects. Available in different combinations of centre-to-centre distance et joints, the interlocking panels are perfect as cladding system of a modern ventilated façade, both for new buildings and for renovation, even of industrial buildings.



TECHNICAL DATA

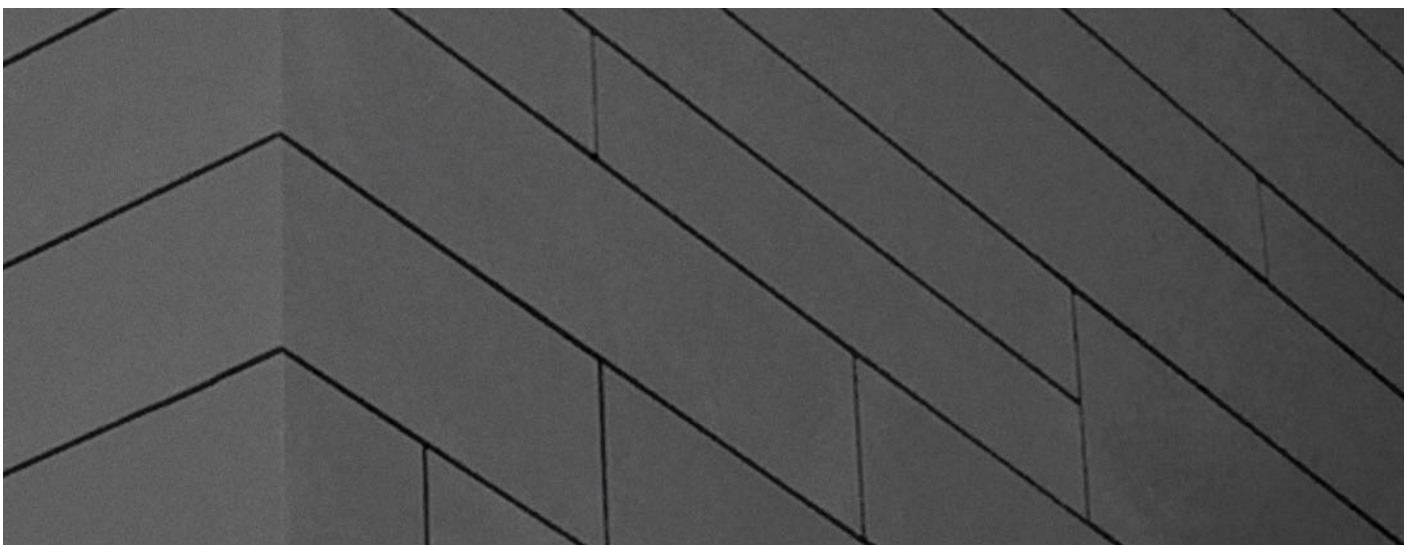
Format	Centre-to-centre distance 200-400mm - Joint 0-20mm Maximal recommended length 4000 mm
Weight	40 N/m ²
Thickness	1,0 mm
Fixing	Indirect through stainless fixing clips
Application	Façade

COLORS

 White 9010	 Anthracite 7016	 Tile 8004
 Silver 9006	 Dark brown	 Green 6021
 Grey 7037	 Red 3009	

SPECIFICATIONS

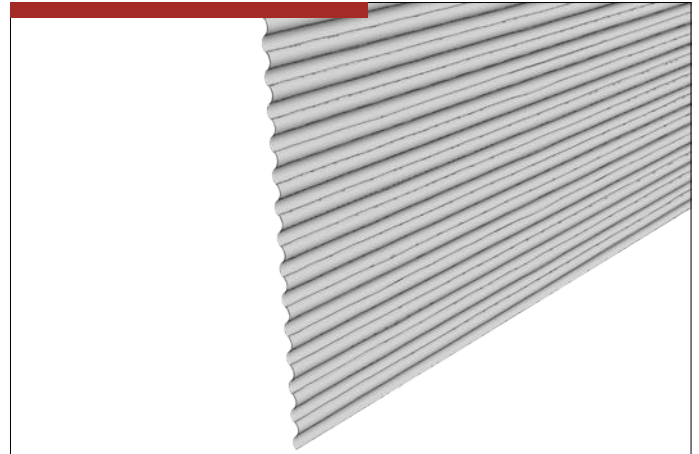
Supply and laying of a façade cladding in interlocking panels in IOROI aluminium thickness 1.0 mm. The interlocking panels are fixed indirectly through hidden stainless steel fixing clips on an adjustable support. The interlocking panels can be installed both in horizontal or vertical with variable centre-to-centre distance from 200 to 400 mm and joint from 0 to 20 mm. Flashing accessories and special elements are not included.





WAVY PANELS









The wavy panels are perfect for small and large industrial buildings, thanks to the high resistance of the alloy and to the varnish of the IOROI aluminium. Thanks to its elegant aspect given by the varnish, to the simplicity of its shape and to the color effects created by light and shapes, this cladding system can be installed in all directions, even in case of curved surfaces.



TECHNICAL DATA

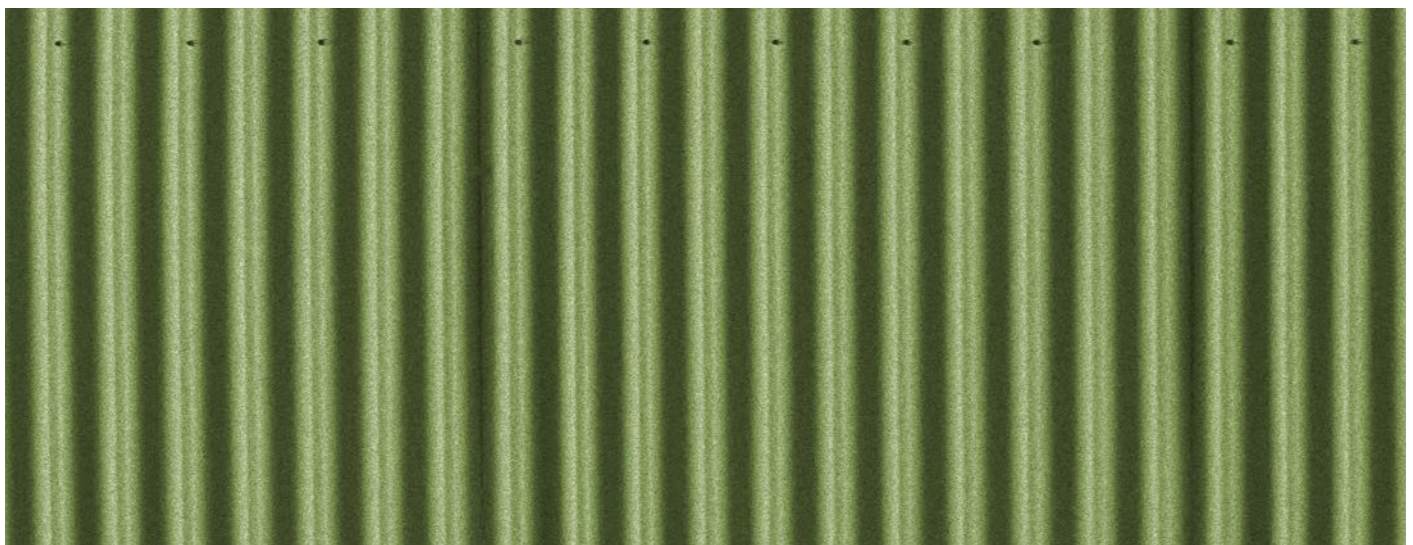
Format	Wave 18/76 - Height Maximal recommended length 4000 mm
Weight	23-34 N/m ²
Width	836 mm
Thickness	0,7 - 1,0 mm
Fixing	Direct through visible stainless steel screws
Application	Façade

COLORS

 White 9010	 Anthracite 7016	 Tile 8004
 Silver 9006	 Dark brown	 Green 6021
 Grey 7037	 Red 3009	

SYSTEMS

Supply and laying of a façade cladding in wavy panels in IOROI aluminium thickness 0.7/1.0 mm. The wavy panels are fixed directly through visible stainless steel fixing clips on an adjustable support. The wavy panels with wave's height of 18 mm and centre-to-centre distance 76 mm have width 836 mm and can be installed both in horizontal or vertical. Flashing accessories and special elements are not included.













FLASHING ACCESSORIES

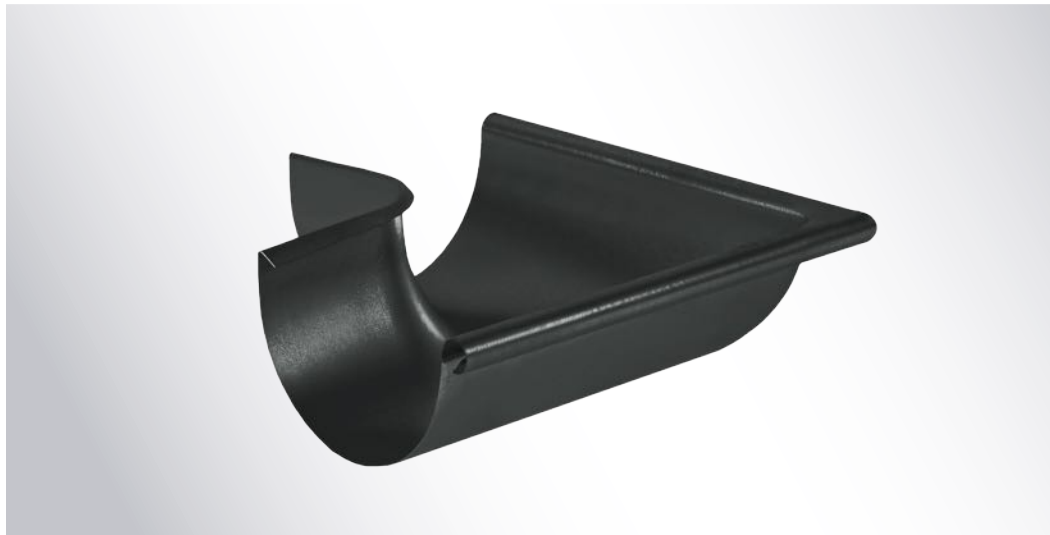
The IOROI range offers all the flashing accessories useful for the correct managing of the rainwater. The great malleability and resistance of the alloy make of IOROI aluminium the better choice for the development and production of all the flashing accessories, even the most complex.

The accessories of the system are available in all the colors of the range.

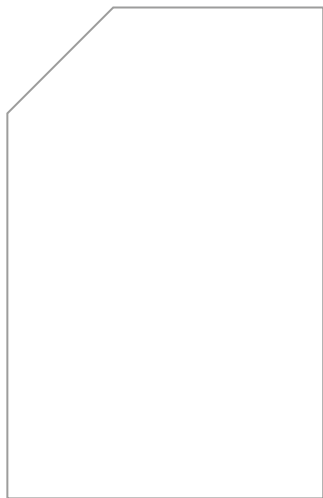
COLORS

 White 9010	 Anthracite 7016	 Tile 8004
 Silver 9006	 Dark brown	 Green 6021
 Grey 7037	 Red 3009	

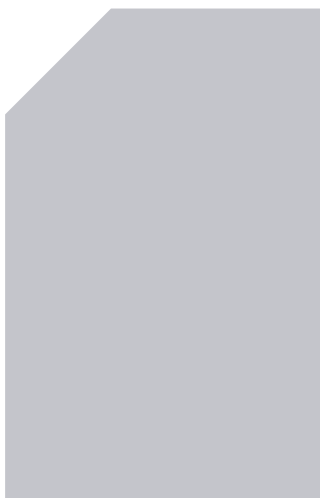




COLORS



WHITE
RAL 9010



SILVER
RAL 9006



GREY
RAL 7037



ANTHRACITE
RAL 7016



DARK BROWN



RED
RAL 3009



TILE
RAL 8004



GREEN
RAL 6021

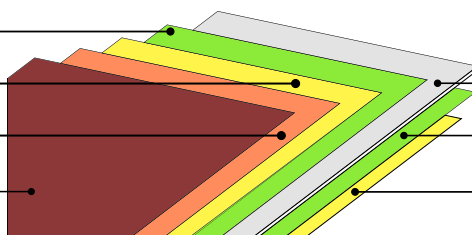


Chemical treatment

Primer

Varnish

Protective film



Aluminium

Chemical treatment

Backcoat



Aluminium alloy EN AW-3005 (AlMn1Mg0,5) – Physical state: H42 – Available dimensions: coils 0.7x650 / 1300 mm – 1.00x500 / 1000 mm. Weight of the coils: from 60 kgs to 3000 kgs – Surface treatment Q-Surface: upper face in high quality varnish 35 micron superpolyester - wrinkled aspect (13 micron primer – 22 micron final varnish) – back face in high quality varnish 15 micron – back of the same colour.

Regulations : UNI EN 485-2 – UNI EN 485-4 – UNI EN 573-3

TECHNICAL NOTE



SUPPORT

For some cladding systems (standing seam, shingles, tiles) you need to insert a supporting layer to guarantee the right performances of resistance. To obtain the best results we recommend to use a supporting layer realized with high quality materials. For example, in case of wood support, it's better to use fir wood planks with minimal thickness 23 mm and maximal width 160 mm, installed without roughness and with a distance of 5 mm one from the other.

SEPARATOR LAYER

It can be useful to put a separator layer between the support and the IOROI aluminium to optimize the final result. This layer contributes to the dilatation of the cladding elements, to improve the resistance of the cladding et to protect the wood plank.

FIXING

It is important to consider the fixing elements in order to guarantee the mechanical resistance without compromise the dilatation of the metal. For example, indirect fixing elements like sliding clips.

COMPATIBLE METALS

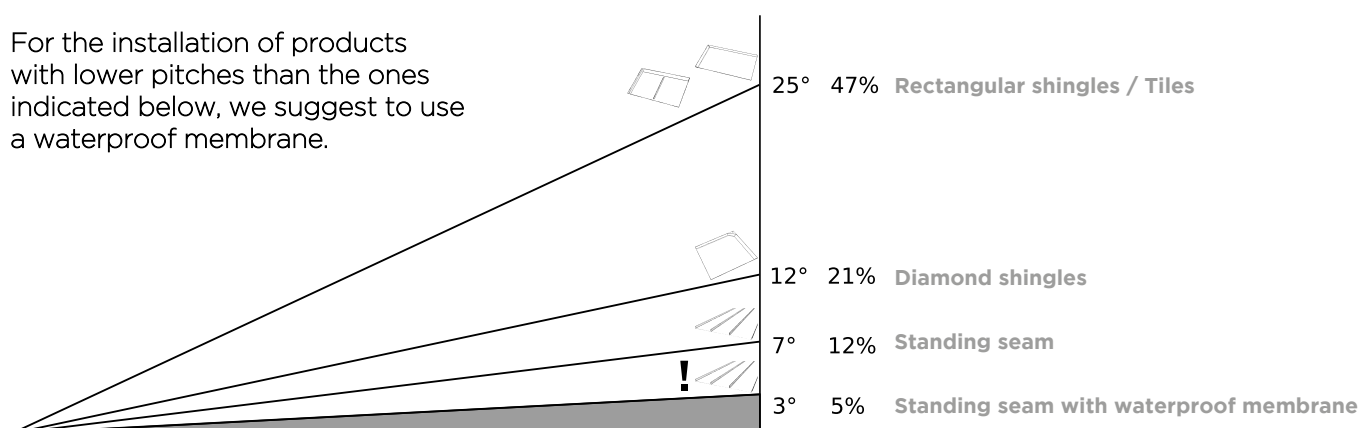
Compatibility between different metals is crucial to avoid galvanic corrosion and it should be taken into consideration since the design process. If necessary, use adequate separator materials and stainless steel fixing elements to avoid points of corrosion. Pay attention also to possible situations of indirect corrosion caused by the contact with rainwater that contains some non-compatible substances.

SNOW STOP

Snow stops are warmly recommended on metallic roofs and should be considered since the design process. The IOROI products range includes specific snow stops for each roofing product, studied to be installed without obstructing the dilatation of the elements and without piercing the roofing cladding.

CHART OF THE MINIMAL PITCHES

For the installation of products with lower pitches than the ones indicated below, we suggest to use a waterproof membrane.





40
YEARS
MATERIAL

Q
SURFACE

40
YEARS
COATING

IOROI[®]

Supreme Quality Aluminium

SACAP srl

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ITALY

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GC 18.1