

Λ - IRIDIUM



The Painted Metal Atelier

A-IRIDIUM



The application of our many years of know-how in the world of pre-painted metals allows us to best satisfy the creative needs of **architecture** and **design** projects.

A-Iridium is our **Premium Collection** product that gives **materials** a particular **metallized effect** through the application of **PVDF paints**.

It is the ideal choice for providing long term protection for **facades** and **roofing**. It is particularly prized in metal architecture for its excellent colour fastness and extended durability.

With **A-Iridium** the pigments are combined in a special treatment with premium resins to determine the colour, gloss, durability, and visual quality of the finished coating, creating any **colour shade**, something almost unheard of in metal architecture.



- > **Support:**
aluminium, steel
- > **Guarantee:**
up to 20 years
- > **Applications:**
outdoor, indoor



A-IRIDIUM

A-Iridium is the result of a production process involving application of **PVDF** paints that give the material a surprising **iridescent** effect with **metallized** nuances.

The product is recommended for **indoor** and **outdoor** use.

Thanks to PVDF based painting technologies we are able to provide our customers with a vast range of colours, including **metallic** and **pearled** effects.



Find out about our applications



Feasibility

Coil width	min. 500 mm · max. 1,320 mm
Coil thickness	min. 0.3 mm · max. 1.5 mm
External coil diameter	min. 700 mm · max. 1,300 mm
Internal coil diameter	508 mm; 610 mm
Strip width	min. 20 mm

TREATMENT

2 degreasings + chrome-free passivation

TOP SURFACE

PRIMER PVDF: 9 - 11 microns
BASE GREY PVDF: 16 - 18 microns
TOP TRANSPARENT PVDF
MICACEO: 14 - 16 microns

BACK SURFACE

BACK COAT: 5 - 7 microns

UV Radiation Resistance
Category: Ruv4
Coating used: compliant with RoHS Directive

Technical Features

TEST	VALUE	REFERENCE STANDARD
Thickness	39 - 45 µm	EN 13523-1 (ECCA T1)
Gloss	23 - 37**	EN 13523-2 (ECCA T2)
Pencil hardness	F - H	EN 13523-4 (ECCA T4)
Adhesion on impact	100%	EN 13523-5 (ECCA T5)
Adhesion on forming	100%	EN 13523-6 (ECCA T6)
T.B. Adherence at 25° C	0T - 1T*	EN 13523-7 (ECCA T7)
T.B. Cracking at 25° C	0T - 2T*	EN 13523-7 (ECCA T7)
MEK	> 100	EN 13523-11 (ECCA T11)

* according to the characteristics of the support

** also available in gloss



Alusteel Coating

via Risorgimento, 19
26867 Somaglia, Lodi, Italy
T +39 0377 579700
info@alusteel.it
www.alusteel.it

Alpine Anodizing

via Friuli, 75
24055 Cologno al Serio,
Bergamo, Italy
T +39 035 897128
info@alpineanodizing.it
www.alpineanodizing.it

Metalcoat

via Antonio Stoppani, 10/C
24121 Bergamo, Italy
T +39 035 246509
info@metalcoat.it
www.metalcoat.it

Aleu - Aluminium Europe

piazza Francesco Buffoni, 5
21013 Gallarate, Varese, Italy
T +39 0331 1420010
info@aleu.it
www.aleu.it



The Painted Metal Atelier