EN

Λ - PRO-HYGIEN

PREMIUM · COLLECTION

The Painted Metal Atelier

A-PRO-HYGIEN

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-Pro-Hygien is our **Premium Collection** product that gives metal some particular **antimicrobial properties**.

As a result, this product is widely used in public spaces subject to **heavy density of people**, and in particular kindergartens, schools, offices, shopping centres, and recreational areas.

Today's market is ever more **sensitive** to the issues of **sanitizing** public spaces, and standard ISO 22196:2007 defines parameters for the antibacterial action of plastic products treated with disinfectants.

Thanks to a special treatment, **A-Pro-Hygien** makes it possible to add **antibacterial properties** to metal and improve its sanitary/health performance.

AL AC ISO 10

- **Support:** aluminium, steel
- **Colours available:** white and transparent
- **Guarantee:** up to 10 years
- **Applications:** indoor

A-PRO-HYGIEN

A-Pro-Hygien is created in a production process involving application of **coatings** that give the material specific **antimicrobial properties**.

The paint components inhibit proliferation of colonies of the most common types of bacteria and contribute towards their elimination.

This makes the product suitable for **application on walls** and **ceilings in locations with a high density** of people, like for example kindergartens, schools, public offices, shopping centres, and recreational areas where specific **sanitation** treatments are not conducted frequently.

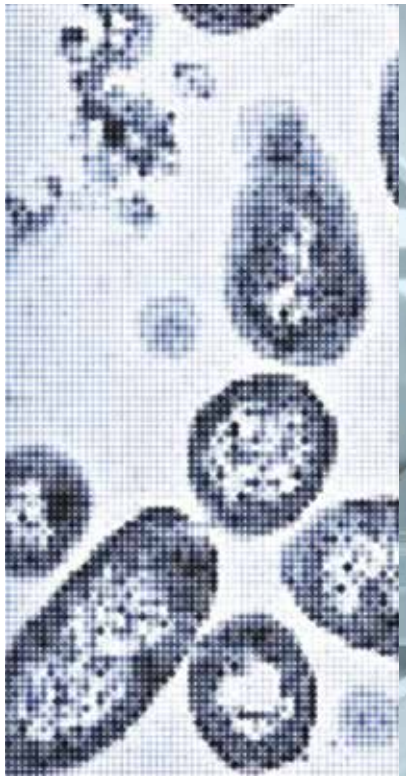
Tests pursuant to standard ISO 22196:2007, conducted at specialized laboratories, have demonstrated an **effective action over 24 hours**, reducing more than **99.99 %** of the colonies of the bacteria Staphylococcus aureus, Escherichia coli 01257, Legionella pneumophila, Salmonella enterica, Pseudominas aeruginosa, Enterobacter aerogenes, and Enterococcus faecalis.

This product is available in two versions. white and transparent: the latter can be applied on any polyester base, providing antimicrobial properties for pre-painted materials of any colour.

The paint varieties are only suitable for use in **indoor** environments.

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



Find out about our applications

ISO CERTIFIED PRODUCT

TREATMENT
2 degreasings + chrome-free passivation

TOP SURFACE
PRIMER: 5 - 7 microns
TOP WHITE PRO-HYGIEN: 15 - 20 microns
or
PRIMER: 5 - 7 microns (only for steel)
BASE: PE 10-15 microns
TOP TRANSPARENT
PRO-HYGIEN: 12 microns

BACK SURFACE
BACK COAT: 4 - 6 microns

Coating used: compliant with RoHS Directive

Technical Features

TEST	VALUE	REFERENCE STANDARD
Thickness	20 - 27	EN 13523-1 (ECCA T1)
Gloss	white 23 ± 5 trasparent 30 ± 5	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

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