

# Λ - PRO-HYGIEN



*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.



- > **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.

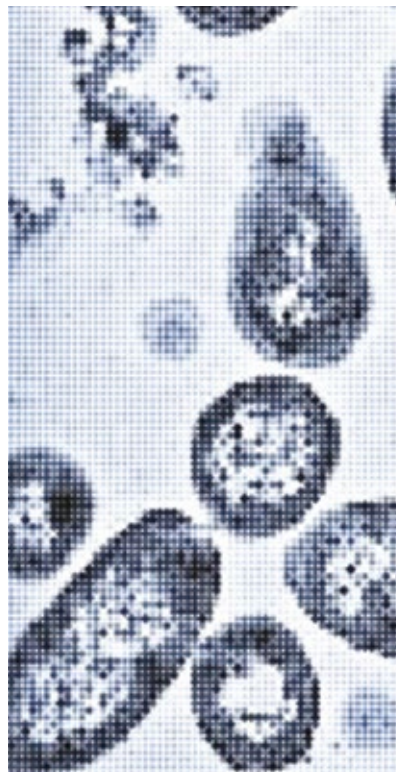
Tests pursuant to standard ISO 22196:2007, conducted at specialized laboratories, have demonstrated an **effective action over 24 hours**, reducing more than **99.99 %** of the colonies of the bacteria *Staphylococcus aureus*, *Escherichia coli* 01257, *Legionella pneumophila*, *Salmonella enterica*,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



### 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 transparent 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



Find out about our applications



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