



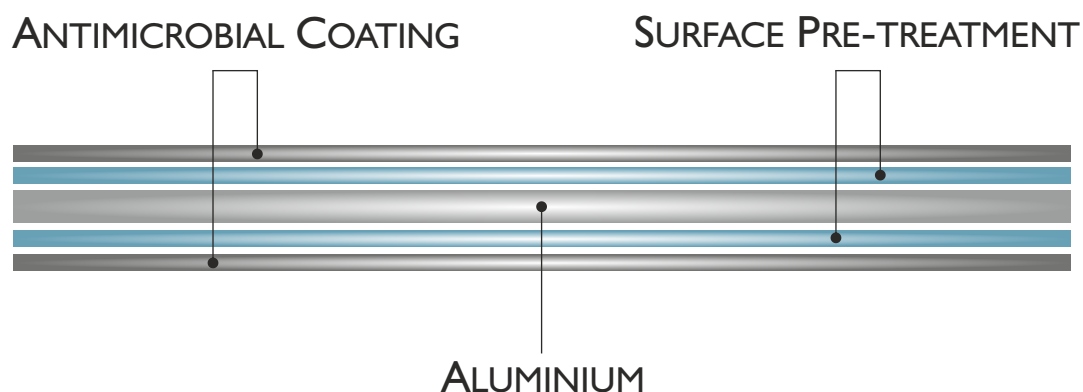
Antimicrobial lacquered aluminium



Italcoat produces **flat aluminium**, coated with antimicrobial lacquer to be used in HVAC systems. This **innovative product** halts the growth of **bacteria, mould and fungi**.

PRODUCT DESCRIPTION

Aluminium is **chemically degreased** and **pre-treated** to guarantee perfect adhesion of coating. It is lacquered on both sides with a colourless bright varnish with **antimicrobial effect***.
The product is supplied in **flat** version.



*antimicrobial component is in compliance with ECHA list article 9 dated 19/01/2016

Technical Specification

Typical Alloy: 8xxx

Temper: "0" - H22 - H24

Thickness: 0,09mm up to 0,40mm

Width: max 1300mm

Surface aspect: flat - precoated aluminium

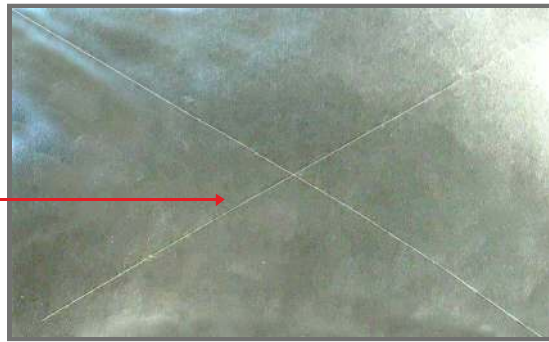
Available colour: colourless or transparent colours

We guarantee **high quality performance**

RESISTANCE TO UV-RAYS: up to 1000 hours of exposition to QUVA 340nm 0,89 W/m², with gloss reduction less than 30%

CORROSION RESISTANCE:

up to 1000 hours of exposition to neutral salt spray fog following ASTM B117 norm



TEST ENVIRONMENT:

water solution
with 5% of NaCl
at 35°C
pH: 6,5 - 7,2

ANTIMICROBIAL EFFECT: against bacteria and mold / fungi

Antimicrobial effect has been evaluated according to the following standards:

ASTM G21-13

against mould / fungi growth

List of mould / fungi tested:

Aspergillus niger ATCC 9642
Chaetomium globosum ATCC 16021
Penicillium funiculosum ATCC 9644
Paecilomyces variotii ATCC 16023
Gliocladium virens ATCC 10043



ISO 22196:2011

against bacteria growth

List of bacteria tested:

Escherichia coli
Staphylococcus aureus
Listeria monocytogenes
Salmonella thyphimurium
Legionella pneumophila



ASTM E2180*

against bacteria / fungi growth

List of bacteria / fungi tested:

Staphylococcus aureus
Pseudomonas aeruginosa
Chaetomium globosum



*underway

