

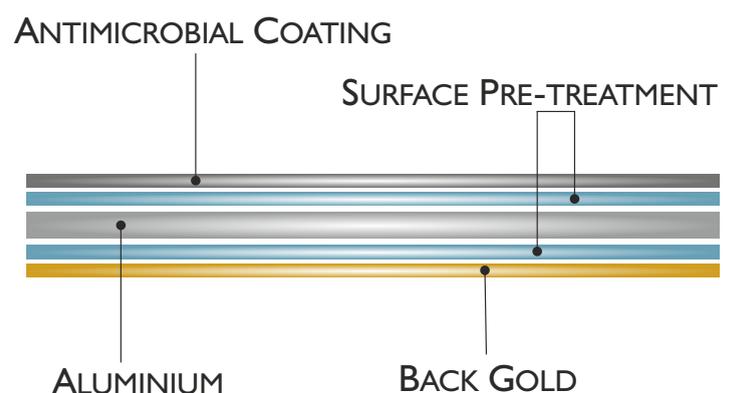
Antimicrobial lacquered aluminium



Italcoat produces flat and embossed aluminium, coated with antimicrobial lacquer to be used in foamed panels for air ventilation ducting systems. This innovative product halts the growth of bacteria, mould and fungi.

PRODUCT DESCRIPTION

Aluminium is chemically degreased and pre-treated to guarantee the perfect adhesion of coating. It is lacquered on one side with a colourless bright varnish with antimicrobial effect*; the other side is lacquered with a gold coating (other colours on demand) suitable to guarantee adhesion of PUR and PIR foams. The product can be supplied in flat or embossed version.



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

Technical Specifications

Typical Alloy: 8xxx -3xxx

Temper: "0" - H24

Width: max 1350mm

Colourless antimicrobial lacquer grammage: 3-4 g/m²

Back coating grammage: 2-3 g/m²

Surface aspect: flat or stucco embossed

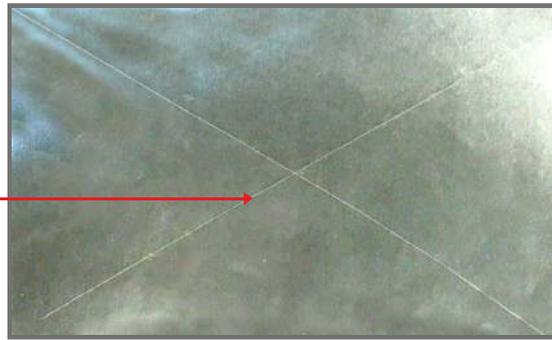
Available colour: gold - other colours upon request

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 mould / 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



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Laminazione Sottile Group

www.italcoat.com
enquiries@italcoat.com

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certifications

