

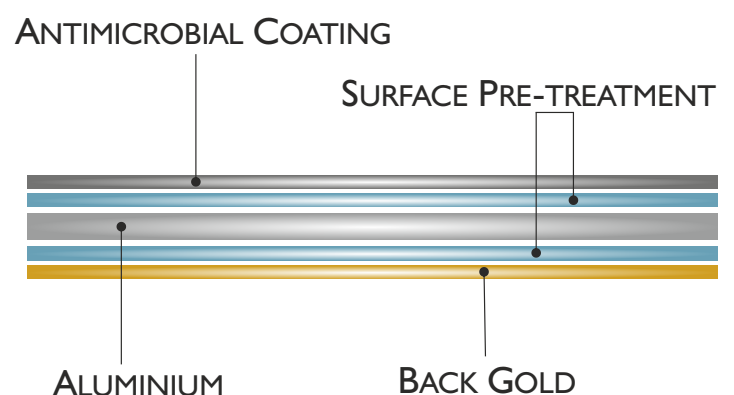
# Antimicrobial lacquered aluminium



**Italcoat** produces flat and embossed aluminium, coated with antimicrobial lacquer to be used in insulation boards 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/m<sup>2</sup>

Back coating grammage: 2-3 g/m<sup>2</sup>

Surface aspect: flat or stucco embossed

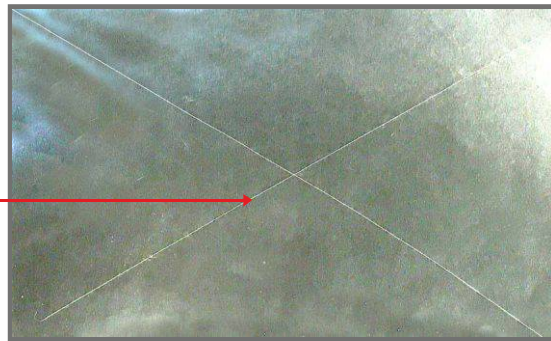
Available colour: gold - other colours upon request

We guarantee **high quality performance**

**RESISTANCE TO UV-RAYS:** up to 1000 hours of exposure to QUVA 340nm 0,89 W/m,<sup>2</sup> with less than 30% gloss reduction

## CORROSION RESISTANCE:

up to 1000 hours of exposure 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



**italcoat**

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certifications

