

# inoris<sup>i</sup> inorganic hydrophilic aluminium

Italcoat developed a new **innovative inorganic hydrophilic aluminium** with **high temperature resistance** to supply manufacturers of aluminium fins for heat exchangers.

## PRODUCT DESCRIPTION

- Chemically degreased
- Pre-treated
- Coated with hydrophilic lacquer

### SINGLE LAYER *Stratigraphy*

- Hydrophilic Lacquer
- Surface Pre-treatment
- Aluminium

## TECHNICAL SPECIFICATIONS

**Alloy:** 1xxx - 3xxx - 8xxx

**Temper:** "0" - H22 - H24

**Thickness:** from 0,08mm up to 0,30mm

**Width:** max 1500 mm

**Available Colour:** colorless

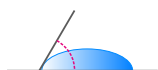
# ADVANTAGES

Suitable for **indirect food contact\***

Supplied, upon request, with **antimicrobial performance**

## SINGLE LAYER | NON ORGANIC LACQUER

### EXCELLENT HYDROPHILIC PERFORMANCE



Very good **hydrophilic performances at time 0:**  
**contact angle with water < 10°**

**Retained hydrophilicity:**  
performances after 30 minutes immersion in tap water  
**contact angle with water < 10°**

**After 10min exposure to 300°C**  
**contact angle with water < 10°**

### CORROSION RESISTANCE

**Up to 250 hours** of exposition to neutral salt spray fog  
following ASTM B117 norm

### UV-C RAYS RESISTANCE

**Up to 1000 hours** of exposition to UV-C Radiation:  
**Delta gloss a 60° < 30%**  
**contact angle with water < 10°**

### HEAT RESISTANCE

**After 10min exposure to 300°C**  
**contact angle with water < 10°**

### WATER TURBIDITY



Evaluation of turbidity of washing baths  
after lubricated samples immersion

### COATING GRAMMAGE

**0,5 - 1 g/m²**

