



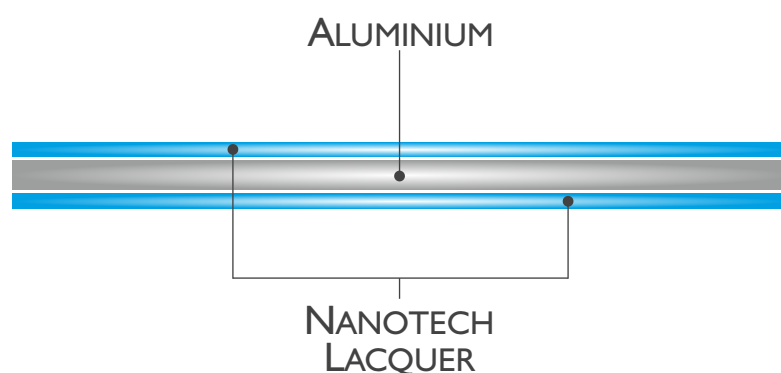
Nano-Coated Aluminium for Heat Exchangers



Italcoat supplies **coated aluminium** to manufacturers of **alu fins** for **heat exchangers**. Aluminium is varnished with a **nanotech-based lacquer**, specifically developed to guarantee high performance in **very aggressive environments**.

PRODUCT DESCRIPTION

Aluminium foil, chemically degreased and **pre-treated**, coated on **both sides** with a very thin layer of **nanotech-based lacquer**.



■ **High oleophobic surface:** residues of lubricant from the fins production are easily removed from the surface

■ **Temperature resistance**
1 minute at 300°C without any discoloration, due to its inorganic composition

■ **High hydrophobic surface:** contact angle value with demi water > 90°

Technical Specifications

Typical Alloy: 8xxx

Temper: "0" - H22 - H24

Thickness: 0,10mm up to 0,30mm

Width: max 1300mm

Coating grammage: 2-5 g/m²

Available colour: light blue

Advantages

High corrosion resistance up to **5000 hours** of exposition to neutral salt spray fog following **ASTM B117 norm**



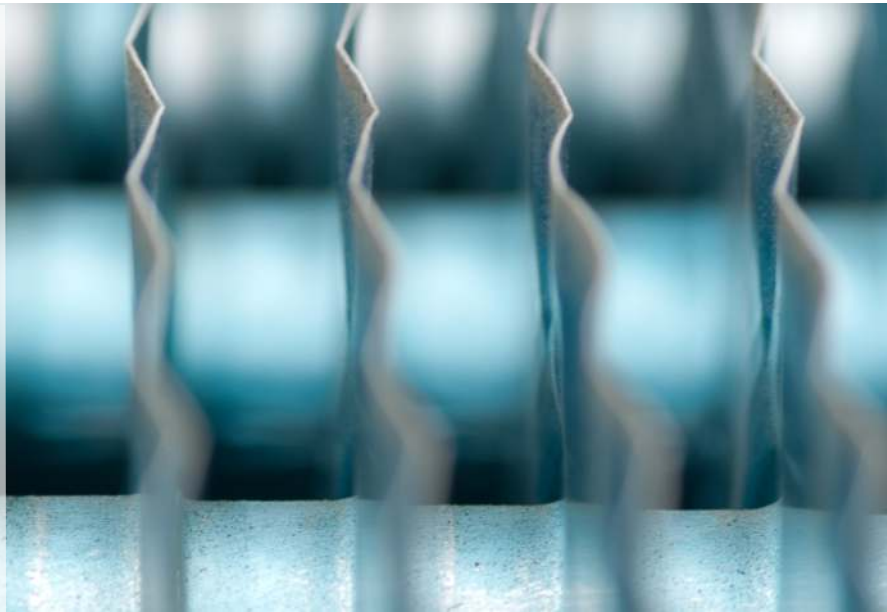
TEST ENVIRONMENT:
water solution
with 5% of NaCl
at 35°C
pH: 6,5 - 7,2

High resistance to UV-rays:
up to 3000 hours of exposition to
QUVA 340 nm 0,89 W/m²
with gloss reduction less than 3%

Very smooth surface which
reduces scratches

Good mechanical properties in the
fins deep drawing process

Self-cleaning properties against
atmospheric dust



How we manufacture **coated aluminium coils** and **sheets** for Heat Exchangers

