



BLUEFIN

HYDROPHILIC COATED ALUMINIUM

Italcoat developed a new **innovative coated aluminium** with **high performance hydrophilic lacquer** to supply manufacturers of aluminium fins for heat exchangers.

PRODUCT DESCRIPTION

Aluminium foil is

- Chemically degreased
- Pre-treated
- Coated one side or both sides with hydrophilic lacquer

DOUBLE LAYER *Stratigraphy*

- Hydrophilic Lacquer
- Primer
- Surface Pre-treatment
- Aluminium

SINGLE LAYER *Stratigraphy*

- Hydrophilic Lacquer
- Surface Pre-treatment
- Aluminium

TECHNICAL SPECIFICATIONS

Alloy: 8xxx - 1xxx - 3xxx

Temper: "0" - H22 - H24

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

Width: max 1500 mm

Available colours: colorless - light blue

ADVANTAGES

Available with **acrylic** or **epoxy/acrylic lacquer**

Suitable for **indirect food contact***

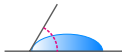
Supplied, upon request, with **antimicrobial performance**

Advantages

BLUEFIN SINGLE LAYER ACRYLIC LACQUER

BLUEFIN SINGLE LAYER

BLUEFIN DOUBLE LAYER EPOXY/ACRYLIC LACQUER

EXCELLENT HYDROPHILIC PERFORMANCE 	Very good hydrophilic performances at time 0: contact angle with water < 10°	Very good hydrophilic performances at time 0: contact angle with water < 10°	Very good hydrophilic performances at time 0: contact angle with water < 10°
	Retained hydrophilicity: performances after 2 hours immersion in tap water: contact angle with water < 50°	Retained hydrophilicity: performances after 2 hours immersion in tap water: contact angle with water < 30°	Retained hydrophilicity: performances after 2 hours immersion in tap water: contact angle with water < 10°
	Thermal drying after oil dipping and water rinsing: contact angle with water < 50°	Thermal drying after oil dipping and water rinsing: contact angle with water < 20°	Thermal drying after oil dipping and water rinsing: contact angle with water < 20°
CORROSION RESISTANCE	Up to 250 hours of exposition to neutral salt spray fog following ASTM B117 norm	Up to 750 hours of exposition to neutral salt spray fog following ASTM B117 norm	Up to 1500 hours of exposition to neutral salt spray fog following ASTM B117 norm
UV RAYS RESISTANCE	Up to 250 hours of exposition to UV-A Radiation: Delta gloss a 60° < 30%	Up to 250 hours of exposition to UV-A Radiation: Delta gloss a 60° < 30%	Up to 250 hours of exposition to UV-A Radiation: Delta gloss a 60° < 30%
SUITABLE FOR INDIRECT FOOD CONTACT			
WATER TURBIDITY	Evaluation of turbidity of washing baths after lubricated samples immersion 	Evaluation of turbidity of washing baths after lubricated samples immersion 	Evaluation of turbidity of washing baths after lubricated samples immersion 
COATING GRAMMAGE	1,5-2 g/m²	1,5-2 g/m²	4-4,5 g/m²



High hydrophilic
behaviour preserved
even after ageing



Excellent mechanical
properties in the deep
drawing process

