







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.

Stratigraphy

-  Hydrophilic Lacquer
-  Primer
-  Surface Treatment
-  Aluminium

PRODUCT DESCRIPTION

Aluminium foil is

- Chemically degreased
- Pretreated
- Lacquered both sides with a very thin layer of hydrophilic lacquer

TECHNICAL SPECIFICATION

Alloy: 8079

Temper: "0"- H22 - H24

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

Width: max 1300 mm

Total Grammage: 3-3,5 g/m²

Available colours: light blue



ADVANTAGES

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

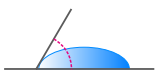


Suitable for **food contact**

Supplied, upon request, with **antimicrobial additive**

Advantages

BLUEFIN 
ACRYLIC LACQUER

BLUEFIN 
EPOXY/ACRYLIC LACQUER

EXCELLENT HYDROPHILIC PERFORMANCE 	Very good hydrophilic performances at time 0: contact angle with water < 12°	Very good hydrophilic performances at time 0: contact angle with water < 11°
	Good resistance to the temperature (200°): contact angle with water < 23°	Good resistance to the temperature (200°): contact angle with water < 35°
	Thermal drying after oil dipping and water rinsing: contact angle with water < 9°	Thermal drying after oil dipping and water rinsing: contact angle with water < 28°
CORROSION RESISTANCE	Up to 1000 hours of exposition to neutral salt spray fog following ASTM D610 norm	Up to 1000 hours of exposition to neutral salt spray fog following ASTM D610 norm
UV RAYS RESISTANCE	Delta gloss a 60° < 30%	Epoxy Lacquers can't resist to UV Rays
SUITABLE FOR FOOD CONTACT		
ANTIMICROBIAL ADDITIVE	Available upon request	Available upon request



High hydrophilic behaviour preserved **even after ageing**



Excellent mechanical properties in the deep drawing process



italcoat

a part of Laminazione Sottile Group



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