

Hygrosieve®

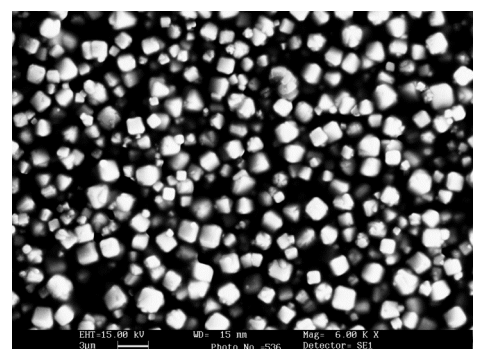
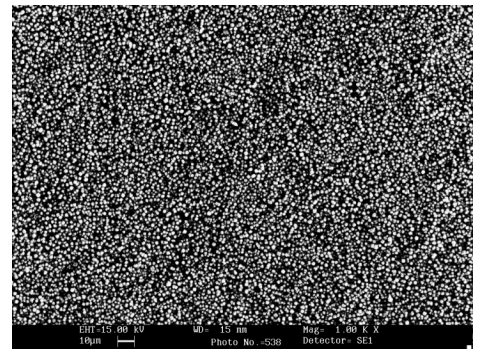
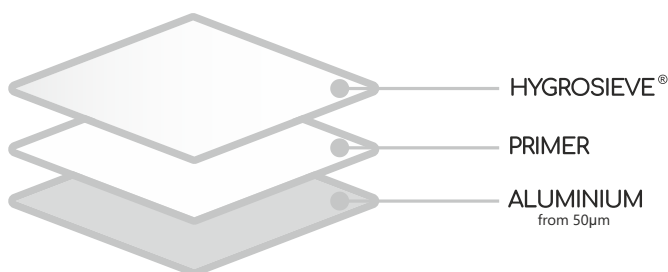


Italcoat supplies coated aluminium with a new **hygroscopic lacquer** ideal for the manufacture of **energy recovery rotors**.

Hygrosieve® improves the **performances** in terms of **selective vapor adsorption/desorption** with a molecular sieve effect.

PRODUCT DESCRIPTION

Aluminium is **chemically degreased** and **lacquered** on both sides with an **innovative hygroscopic formulation**.



Molecular Sieve:
Adsorbing component distribution
Pores diameter: 3Å

ALUMINIUM TECHNICAL SPECIFICATIONS

Typical Alloy: 3xxx

Thickness: from 50µm

Temper: H18 - H19

Width: max 1300mm

Available colour: White

Hygrosieve® offers many advantages

15% reduction in energy consumption

Good solvent resistance

Good adhesion on the aluminium surface

Selective adsorption of water moisture with the exclusion of pollutants (Molecular Sieve)

Good resistance against corrosion caused by humid environment

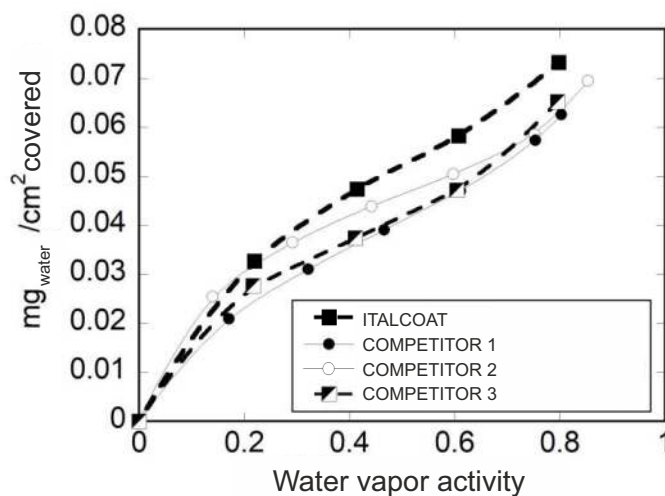
Total absence of Silica Gel

No risk of coating pulverization

Chance to add biocide additive to the formulation



Diagram resumes the adsorption performance at 30°C of the new Italcoat Hygrosieve® coating compared with competitors' material



Hygrosieve® adsorbs a higher quantity of moisture under the same operative conditions

